Appendix DA - Additional Tables for CHSA

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Environmental & Occupational Health Risk

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Appendix 1: Population and Demographic Profiles

Figure 1: Age-group distribution by sex by geographical region, 1991.

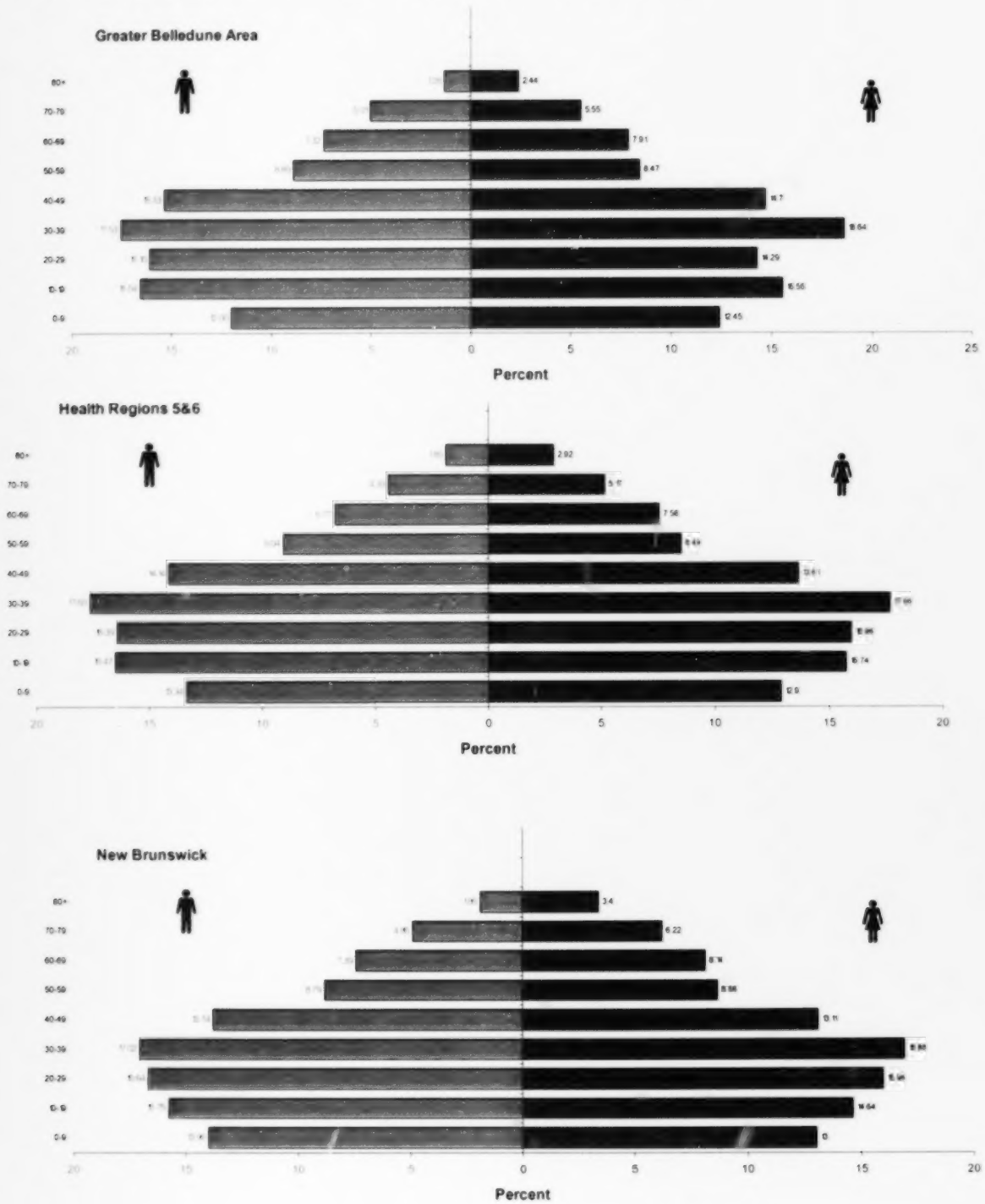
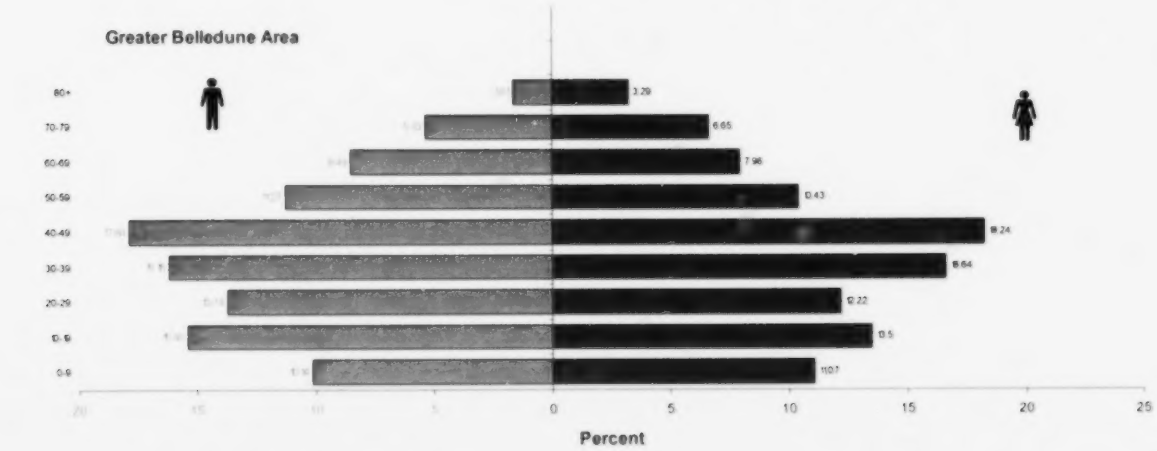
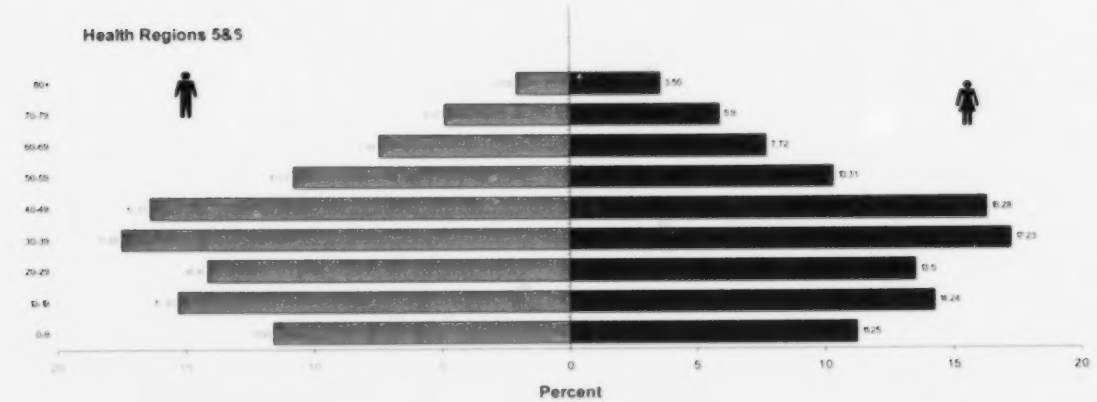


Figure 2: Age-group distribution by sex by geographical region, 1996.





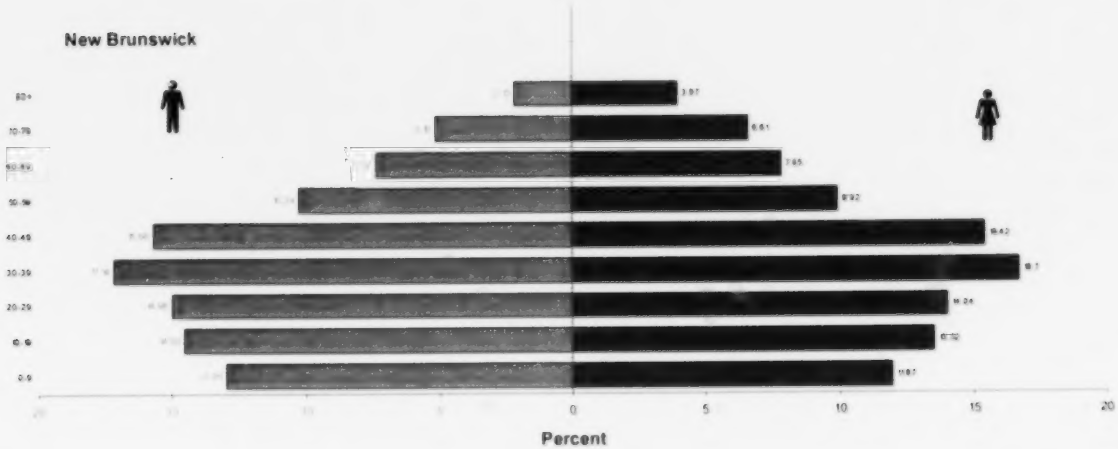


Table 1: Marital status, education, and income by geographical area and census years.

Census Years/Characteristics	Geographical Area		
2001 Census	**Greater Belledune Area**	**Health Regions 5&6**	**New Brunswick**
Marital Status, Single	1,285 (30.96)	33,825 (35.76)	189,335 (31.60)
Marital Status, Married	2,070 (49.88)	44,250 (46.78)	308,265 (51.46)
Marital Status, Widowed	345 (8.31)	6,795 (7.18)	41,950 (7.00)
Marital Status, Divorced	220 (5.30)	4,885 (5.16)	37,070 (6.19)
Marital Status, Separated	230 (5.54)	4,835 (5.11)	22,465 (3.75)
Education, Less than Grade 9	960 (23.88)	20,455 (22.97)	79,850 (13.89)
Education, Grade 9-13, without diploma, certificate, degree	770 (19.15)	17,585 (19.75)	103,750 (18.05)
Education, Grade 9-13, with diploma, certificate, degree	1,140 (28.36)	21,110 (23.71)	146,445 (25.48)
Education, Non-University, without diploma, certificate, degree	110 (2.74)	3,200 (3.59)	23,665 (4.12)
Education, Non-University, with diploma, certificate, degree	560 (13.93)	10,790 (12.12)	80,830 (14.06)
Education, University, without diploma, certificate, degree	255 (6.34)	6,985 (7.85)	62,795 (10.93)
Education, University, with diploma, certificate, degree	225 (5.60)	8,910 (10.01)	77,435 (13.47)
Employment Rate as percentage of 25+ year olds	83.07%	82.89%	87.50%
Income, HOUSEHOLD average	$42,821.14	$42,377.62	$47,587.17
1996 Census	**Greater Belledune Area**	**Health Regions 5&6**	**New Brunswick**
Marital Status, Single	1,440 (33.18)	34,870 (35.83)	185,335 (31.27)
Marital Status, Married	2,160 (49.77)	47,080 (48.37)	313,165 (52.83)
Marital Status, Widowed	320 (7.37)	6,510 (6.69)	40,830 (6.89)
Marital Status, Divorced	210 (4.84)	4,435 (4.56)	32,705 (5.52)
Marital Status, Separated	210 (4.84)	4,435 (4.56)	20,730 (3.50)
Education, Less than Grade 9	1,115 (24.34)	23,995 (23.35)	95,660 (15.01)
Education, Grade 9-13, without diploma, certificate, degree	1,170 (25.55)	23,935 (23.29)	139,285 (21.86)
Education, Grade 9-13, with diploma, certificate, degree	620 (13.54)	14,775 (14.38)	104,020 (16.32)
Education, Non-University, without diploma, certificate, degree	135 (2.95)	3,725 (3.62)	24,365 (3.82)
Education, Non-University, with diploma, certificate, degree	745 (16.27)	14,265 (13.88)	100,530 (15.78)
Education, University, without diploma, certificate, degree	425 (9.28)	11,235 (10.93)	87,285 (13.70)
Education, University, with diploma, certificate, degree	370 (8.08)	10,850 (10.56)	86,090 (13.51)
Employment Rate as percentage of 15+ year olds	80.13%	78.41%	84.69%
Income, PERSONAL average	$18,872.47	$18,709.20	$20,799.18
1991 Census	**GBA**	**Health Regions 5&6**	**New Brunswick**
Marital Status, Single	1,445 (32.04)	32,345 (34.01)	171,530 (30.00)
Marital Status, Married	2,470 (54.77)	49,900 (52.46)	318,530 (55.71)
Marital Status, Widowed	285 (6.32)	5,990 (6.30)	38,780 (6.78)
Marital Status, Divorced	125 (2.77)	3,210 (3.37)	25,900 (4.53)
Marital Status, Separated	185 (4.10)	3,670 (3.86)	17,070 (2.99)
Education, Less than Grade 9	1,200 (25.26)	26,420 (26.39)	109,800 (17.87)
Education, Grade 9-13, without diploma, certificate, degree	1,460 (30.74)	25,535 (25.51)	145,935 (23.75)
Education, Grade 9-13, with diploma, certificate, degree	645 (13.58)	13,305 (13.29)	97,160 (15.81)
Education, Non-University, without diploma, certificate, degree	170 (3.58)	3,300 (3.30)	24,080 (3.92)
Education, Non-University, with diploma, certificate, degree	510 (10.74)	12,475 (12.46)	84,510 (13.75)
Education, University, without diploma, certificate, degree	425 (8.95)	10,315 (10.31)	82,150 (13.37)
Education, University, with diploma, certificate, degree	340 (7.16)	8,745 (8.74)	70,945 (11.54)
Employment Rate as percentage of 25+ year olds	79.64%	80.45%	86.26%
Income, HOUSEHOLD average	$30,999.02	$34,988.09	$38,971.62

Appendix 2: Vital Statistics

Table 2: Number of stillbirths by year and geographic area, 1989-2001

Maternal Age (years)	Greater Belledune Area	Health Regions 5 & 6	New Brunswick
1989	0	13	57
1990	0	9	66
1991	0	12	57
1992	0	11	53
1993	0	7	49
1994	0	**	59
1995	0	**	32
1996	**	**	42
1997	0	9	47
1998	0	**	39
1999	0	**	52
2000	0	**	38
2001	0	**	41
Total	**	91	632

Note: ** Data suppressed due to small numbers (n≤ 5).

Table 3: Average maternal age of stillbirth by year and geographic area, 1989-2001

Years	Greater Belledune Area (S.D.)	Health Regions 5 & 6 (S.D.)	New Brunswick (S.D.)
1989	0.00 (0.00)	26.00 (7.16)	26.70 (5.97)
1990	0.00 (0.00)	31.78 (7.50)	26.42 (6.06)
1991	0.00 (0.00)	24.33 (6.67)	25.79 (5.69)
1992	0.00 (0.00)	28.36 (6.28)	26.60 (5.20)
1993	0.00 (0.00)	27.71 (6.58)	27.24 (6.29)
1994	0.00 (0.00)	21.20 (5.97)	26.83 (5.58)
1995	0.00 (0.00)	33.00 (0.00)	27.34 (5.78)
1996	**	28.20 (6.50)	27.17 (6.22)
1997	0.00 (0.00)	27.56 (4.16)	26.40 (4.85)
1998	0.00 (0.00)	29.60 (6.54)	26.41 (5.47)
1999	0.00 (0.00)	26.20 (6.42)	28.00 (6.12)
2000	0.00 (0.00)	29.75 (2.50)	27.66 (5.87)
2001	0.00 (0.00)	25.60 (3.29)	27.39 (5.64)
Overall Average	**	27.21 (6.39)	26.87 (5.75)

Note: * S.D. Standard Deviation, ** Data suppressed due to small numbers (n≤ 5).

Table 4: Congenital anomalies by year and geographic area, 1989-2001

Years	Greater Belledune Area	Health Regions 5 & 6	New Brunswick
1989	0	8	51
1990	0	**	28
1991	0	7	41
1992	0	7	48
1993	**	**	60
1994	**	12	42
1995	0	**	41
1996	0	6	40
1997	0	**	29
1998	0	**	19
1999	**	**	18
2000	0	**	19
2001	0	0	14
Total	**	62	450

Note: ** Data suppressed due to small numbers (n≤ 5).

Table 5: Number of live births by year and geographic area, 1989-2001

Years	Greater Belledune Area	Health Regions 5 & 6	New Brunswick
1989	84	1,485	9,651
1990	99	1,524	9,818
1991	85	1,451	9,493
1992	88	1,400	9,385
1993	82	1,293	9,041
1994	78	1,297	8,965
1995	75	1,203	8,556
1996	52	1,044	8,172
1997	64	1,162	7,907
1998	53	1,054	7,868
1999	48	979	7,605
2000	49	982	7,340
2001	40	905	7,141
Total	897	15,779	110,942

Table 6: Average maternal age of live births by year and geographic area, 1989-2001

Years	Greater Belledune Area (S.D.)	Health Regions 5 & 6 (S.D.)	New Brunswick (S.D.)
1989	25.51 (4.21)	26.03 (4.86)	26.07 (4.90)
1990	26.09 (4.42)	26.03 (4.78)	26.24 (4.95)
1991	26.02 (4.72)	26.14 (4.81)	26.27 (5.00)
1992	25.27 (4.82)	26.04 (5.10)	26.46 (5.20)
1993	27.11 (4.61)	26.20 (5.08)	26.59 (5.23)
1994	26.32 (5.08)	26.40 (5.06)	26.59 (5.21)
1995	25.45 (4.71)	26.29 (5.09)	26.69 (5.34)
1996	26.37 (5.10)	26.62 (5.24)	26.98 (5.36)
1997	25.69 (4.25)	26.57 (5.03)	26.93 (5.28)
1998	26.83 (4.75)	26.61 (5.41)	27.12 (5.41)
1999	26.17 (4.36)	26.90 (5.27)	27.21 (5.34)
2000	26.82 (5.37)	26.86 (5.21)	27.27 (5.36)
2001	27.33 (5.72)	27.07 (5.23)	27.43 (5.37)
Total	26.14 (4.74)	26.39 (5.08)	26.72 (5.23)

Note: * S.D. Standard Deviation

Table 7: Congenital anomalies by year and geographic area, 1989-2001

Years	Greater Belledune Area	Health Regions 5 & 6	New Brunswick
1989	0	8	51
1990	0	**	28
1991	0	7	41
1992	0	7	48
1993	**	**	60
1994	**	12	42
1995	0	**	41
1996	0	6	40
1997	0	**	29
1998	0	**	19
1999	**	**	18
2000	0	**	19
2001	0	0	14
Total	**	62	450

Note: ** Data suppressed due to small numbers (n≤ 5).

Table 8: Average maternal age of birth of child with a congenital anomaly by geographic area, 1989-2001

Years	Greater Belledune Area (S.D.)	Health Regions 5 & 6 (S.D.)	New Brunswick (S.D.)
1989	0.00 (0.00)	27.13 (7.66)	26.59 (5.44)
1990	0.00 (0.00)	24.75 (2.99)	26.50 (4.53)
1991	0.00 (0.00)	23.71 (3.45)	25.37 (4.84)
1992	0.00 (0.00)	24.71 (5.19)	27.42 (5.81)
1993	**	21.75 (3.20)	26.58 (5.79)
1994	**	27.42 (5.74)	27.02 (5.33)
1995	0.00 (0.00)	24.25 (4.72)	27.90 (4.40)
1996	0.00 (0.00)	25.17 (5.38)	26.30 (5.64)
1997	0.00 (0.00)	26.00 (8.51)	26.07 (5.87)
1998	0.00 (0.00)	26.00 (0.00)	25.42 (4.29)
1999	**	28.33 (6.43)	26.67 (6.34)
2000	0.00 (0.00)	25.00 (0.00)	27.63 (4.63)
2001	0.00 (0.00)	0.00 (0.00)	28.43 (4.65)
Overall average	29.20 (8.04)	25.56 (5.48)	26.72 (5.30)

Note: * S.D. Standard Deviation, ** Data suppressed due to small numbers (n≤ 5).

Table 9: Rate ratio of live births for Greater Belledune Area (GBA) and New Brunswick Standard Population, 1989-2001

Year	Greater Belledune Area			New Brunswick Standard Population			Rate Ratio	95% LCL	95% UCL	p-value
	Population	Number	Rate*	Population	Number	Rate*				
1989	4,668	84	17.99	614,522	8,166	13.29	1.35	1.06	1.65	<0.01
1990	4,645	99	21.31	619,189	8,294	13.39	1.59	1.28	1.91	<0.01
1991	5,400	85	15.74	621,484	8,042	12.94	1.22	0.96	1.48	0.08
1992	5,405	88	16.28	624,420	7,985	12.79	1.27	1.01	1.54	0.03
1993	5,401	82	15.18	625,577	7,748	12.39	1.23	0.96	1.49	0.07
1994	5,381	78	14.50	627,539	7,668	12.22	1.19	0.92	1.45	0.15
1995	5,356	75	14.00	629,006	7,353	11.69	1.20	0.93	1.47	0.13
1996	5,338	52	9.74	630,777	7,128	11.30	0.86	0.63	1.10	0.28
1997	5,328	64	12.01	632,355	6,745	10.67	1.13	0.85	1.40	0.38
1998	5,288	53	10.02	632,498	6,814	10.77	0.93	0.68	1.18	0.60
1999	5,250	48	9.14	634,432	6,626	10.44	0.88	0.63	1.12	0.36
2000	5,226	49	9.38	637,312	6,358	9.98	0.94	0.68	1.20	0.67
2001	4,935	40	8.11	615,105	6,236	10.14	0.80	0.55	1.05	0.16
Total	67,621	897	13.27	8,144,216	95,163	11.68	1.14	1.06	1.21	<0.01

Note: * Rates shown for births are crude rates per 1,000 populations. Populations from census years (1991, 1996, 2001) otherwise they are inter-census estimates obtained from New Brunswick Health and Wellness, LCD/UCL – Lower/upper confidence limits.

Table 10: Rate ratio of deaths for Greater Belledune Area (GBA) and New Brunswick Standard Population, 1989-2001

Year	Greater Belledune Area			New Brunswick Standard Population			Rate Ratio	95% LCL	95% UCL	p-value
	Population	Number	Rate*	Population	Number	Rate*				
1989	4,668	42	9.00	614,522	4,757	7.74	1.16	0.81	1.52	0.37
1990	4,645	53	11.41	619,189	4,666	7.54	1.51	1.10	1.92	<0.01
1991	5,400	49	9.07	621,484	4,752	7.65	1.19	0.85	1.52	0.26
1992	5,405	54	9.99	624,420	4,858	7.78	1.28	0.94	1.63	0.08
1993	5,401	50	9.26	625,577	4,965	7.94	1.17	0.84	1.49	0.31
1994	5,381	56	10.41	627,539	5,024	8.01	1.30	0.96	1.64	0.06
1995	5,356	39	7.28	629,006	5,105	8.12	0.90	0.61	1.18	0.50
1996	5,338	61	11.43	630,777	5,000	7.93	1.44	1.08	1.81	<0.01
1997	5,328	48	9.01	632,355	5,088	8.05	1.12	0.80	1.44	0.48
1998	5,288	54	10.21	632,498	5,365	8.48	1.20	0.88	1.53	0.20
1999	5,250	46	8.76	634,432	5,123	8.07	1.09	0.77	1.40	0.63
2000	5,226	33	6.31	637,312	5,182	8.13	0.78	0.51	1.04	0.16
2001	4,935	47	9.52	615,105	5,039	8.19	1.16	0.83	1.50	0.34
Total	67,621	632	9.35	8,144,216	64,924	7.97	1.17	1.08	1.26	<0.01

Note: *Rates shown for deaths are crude rates per 1,000 populations. Populations from census years (1991, 1996, 2001) otherwise they are inter-censal estimates obtained from New Brunswick Health and Wellness. LCD/UCL – Lower/upper confidence limits.

Table 11: Live births by gestation age and year for Greater Belledune Area (GBA) and New Brunswick Standard Population, 1989-2001

Year	Greater Belledune Area					New Brunswick Standard Population				
	Gestation Age (weeks)				Total	Gestation Age (weeks)				Total
	<27 (%)	28-36 (%)	37-41 (%)	42+ (%)		<27 (%)	28-36 (%)	37-41 (%)	42+ (%)	
1989	0 (0.00)	**	77 (9.24)	**	84 (9.36)	42 (11.97)	548 (9.08)	7,193 (8.44)	383 (10.64)	8,166 (8.58)
1990	0 (0.00)	**	94 (11.28)	**	99 (11.04)	33 (9.40)	487 (8.07)	7,331 (8.61)	443 (12.31)	8,294 (8.72)
1991	0 (0.00)	**	80 (9.60)	**	85 (9.48)	29 (8.26)	534 (8.85)	7,051 (8.28)	428 (11.89)	8,042 (8.45)
1992	0 (0.00)	**	83 (9.96)	**	88 (9.81)	31 (8.83)	495 (8.20)	7,087 (8.32)	372 (10.34)	7,985 (8.39)
1993	0 (0.00)	**	76 (9.12)	**	82 (9.14)	27 (7.69)	520 (8.61)	6,799 (7.98)	402 (11.17)	7,748 (8.14)
1994	0 (0.00)	**	74 (8.88)	**	78 (8.70)	22 (6.27)	546 (9.04)	6,771 (7.95)	329 (9.14)	7,668 (8.06)
1995	0 (0.00)	**	70 (8.40)	**	75 (8.36)	15 (4.27)	426 (7.06)	6,601 (7.75)	311 (8.64)	7,353 (7.73)
1996	**	**	47 (5.64)	**	52 (5.80)	20 (5.70)	443 (7.34)	6,421 (7.54)	244 (6.78)	7,128 (7.49)
1997	0 (0.00)	**	59 (7.08)	**	64 (7.13)	24 (6.84)	384 (6.36)	6,148 (7.22)	189 (5.25)	6,745 (7.09)
1998	0 (0.00)	**	50 (6.00)	**	53 (5.91)	40 (11.40)	393 (6.51)	6,210 (7.29)	171 (4.75)	6,814 (7.16)
1999	0 (0.00)	**	43 (5.16)	**	48 (5.35)	24 (6.84)	444 (7.35)	6,020 (7.07)	138 (3.83)	6,626 (6.96)
2000	0 (0.00)	**	44 (5.28)	**	49 (5.46)	16 (4.56)	391 (6.48)	5,862 (6.88)	89 (2.47)	6,358 (6.68)
2001	0 (0.00)	**	36 (4.32)	**	40 (4.46)	28 (7.98)	426 (7.06)	5,682 (6.67)	100 (2.78)	6,236 (6.55)
Total	**	46 (100.00)	833 (100.00)	17 (100.00)	897 (100.00)	351 (100.00)	6,037 (100.00)	85,176 (100.00)	3,599 (100.00)	95,163 (100.00)

Note: ** Data suppressed due to small numbers (n≤ 5).

Table 12: Rate ratio of infant mortality for Greater Belledune Area (GBA) and New Brunswick Standard Population, 1989-2001

Year	Greater Belledune Area			New Brunswick Standard Population			Ratio	95% LCL	95% UCL	P Value
	Number of Births	Infant Deaths (0-364 days)		Number of Births	Infant Deaths (0-364 days)					
		N	Rate*		N	Rate*				
1989	84 (9.36)	0 (0.00)	0.00	8,166 (8.58)	61 (10.87)	7.47	-	-	-	-
1990	99 (11.04)	**	**	8,294 (8.72)	59 (10.52)	7.11	**	**	**	**
1991	85 (9.48)	0 (0.00)	0.00	8,042 (8.45)	52 (9.27)	6.47	-	-	-	-
1992	88 (9.81)	0 (0.00)	0.00	7,985 (8.39)	55 (9.80)	6.89	-	-	-	-
1993	82 (9.14)	0 (0.00)	0.00	7,748 (8.14)	62 (11.05)	8.00	-	-	-	-
1994	78 (8.70)	0 (0.00)	0.00	7,668 (8.06)	40 (7.13)	5.22	-	-	-	-
1995	75 (8.36)	0 (0.00)	0.00	7,353 (7.73)	38 (6.77)	5.17	-	-	-	-
1996	52 (5.80)	0 (0.00)	0.00	7,128 (7.49)	34 (6.06)	4.77	-	-	-	-
1997	64 (7.13)	**	**	6,745 (7.09)	38 (6.77)	5.63	**	**	**	**
1998	53 (5.91)	0 (0.00)	0.00	6,814 (7.16)	45 (8.02)	6.60	-	-	-	-
1999	48 (5.35)	0 (0.00)	0.00	6,626 (6.96)	33 (5.88)	4.98	-	-	-	-
2000	49 (5.46)	0 (0.00)	0.00	6,358 (6.68)	21 (3.74)	3.30	-	-	-	-
2001	40 (4.46)	0 (0.00)	0.00	6,236 (6.55)	23 (4.10)	3.69	-	-	-	-
Total	897 (100.00)	**	**	95,163 (100.00)	561 (100.00)	5.90	0.57	0.00	1.21	0.33

Note: *Rates shown for infant mortality are crude rates per 1,000 births. Populations from census years (1991, 1996, 2001) otherwise they are inter-censal estimates obtained from New Brunswick Health and Wellness, LCD/UCL – Lower/upper confidence limits, ** Data suppressed due to small numbers (n≤ 5).

Table 13: Number of stillbirths by year for Greater Belledune Area (GBA) and New Brunswick Standard Population, 1989-2001

Years	Greater Belledune Area			New Brunswick Standard Population			Rate Ratio	95% LCL	95% UCL	P-value
	Total births	Stillbirths	Rate	Total births	Stillbirths	Rate				
1989	84 (9.36)	0 (0.00)	0.00	8,166 (8.58)	44 (8.13)	5.39	-	-	-	-
1990	99 (11.04)	0 (0.00)	0.00	8,294 (8.72)	57 (10.54)	6.87	-	-	-	-
1991	85 (9.48)	0 (0.00)	0.00	8,042 (8.45)	45 (8.32)	5.60	-	-	-	-
1992	88 (9.81)	0 (0.00)	0.00	7,985 (8.39)	42 (7.76)	5.26	-	-	-	-
1993	82 (9.14)	0 (0.00)	0.00	7,748 (8.14)	42 (7.76)	5.42	-	-	-	-
1994	78 (8.70)	0 (0.00)	0.00	7,668 (8.06)	54 (9.98)	7.04	-	-	-	-
1995	75 (8.36)	0 (0.00)	0.00	7,353 (7.73)	31 (5.73)	4.22	-	-	-	-
1996	52 (5.80)	**	**	7,128 (7.49)	37 (6.84)	5.19	**	**	**	-
1997	64 (7.13)	0 (0.00)	0.00	6,745 (7.09)	38 (7.02)	5.63	-	-	-	-
1998	53 (5.91)	0 (0.00)	0.00	6,814 (7.16)	34 (6.28)	4.99	-	-	-	-
1999	48 (5.35)	0 (0.00)	0.00	6,626 (6.96)	47 (8.69)	7.09	-	-	-	-
2000	49 (5.46)	0 (0.00)	0.00	6,358 (6.68)	34 (6.28)	5.35	-	-	-	-
2001	40 (4.46)	0 (0.00)	0.00	6,236 (6.55)	36 (6.65)	5.77	-	-	-	-
Total	897 (100.00)	**	**	95,163 (100.00)	541 (100.00)	5.68	0.20	0.00	0.58	-

Note: *Rates shown for stillbirths are crude rates per 1,000 births. Populations from census years (1991, 1996, 2001) otherwise they are inter-censal estimates obtained from New Brunswick Health and Wellness, LCD/UCL – Lower/upper confidence limits, ** Data suppressed due to small numbers (n≤ 5).

Table 14: Congenital anomalies for Greater Belledune Area (GBA) and New Brunswick Standard Population, 1989-2001

Congenital Anomalies (ICD-9)	GBA		NB Standard		Rate Ratio	95% LCL	95% UCL	P-value
	N (%)	Rate	N (%)	Rate				
All Congenital Anomalies (740-759)	**	**	388 (100.00)	4.08	1.37	0.16	2.57	-
Nervous system defects (740-742)	**	**	47 (12.11)	0.49	2.26	0.00	6.73	-
Anomalies of the Eye (743)	0 (0.00)	0.00	3 (0.77)	0.03	-	-	-	-
Anomalies of Ear, Face, Neck (742)	0 (0.00)	0.00	15 (3.87)	0.16	-	-	-	-
Anomalies of Heart (745-746)	0 (0.00)	0.00	29 (7.47)	0.30	-	-	-	-
Anomalies of Circulatory System (747)	0 (0.00)	0.00	3 (0.77)	0.03	-	-	-	-
Anomalies of Respiratory System (748)	0 (0.00)	0.00	4 (1.03)	0.04	-	-	-	-
Cleft Palate/Cleft Lip (749)	0 (0.00)	0.00	35 (9.02)	0.37	-	-	-	-
Anomalies of Upper Alimentary Tract (750)	0 (0.00)	0.00	5 (1.29)	0.05	-	-	-	-
Other Anomalies of Digestive System (751)	0 (0.00)	0.00	12 (3.09)	0.13	-	-	-	-
Anomalies of Genital Organs (752)	0 (0.00)	0.00	38 (9.79)	0.40	-	-	-	-
Anomalies of Urinary System (753)	0 (0.00)	0.00	11 (2.84)	0.12	-	-	-	-
Congenital Musculoskeletal Deformities (754-756)	**	**	126 (32.47)	1.32	**	**	**	-
Anomalies of Integument (757)	**	**	14 (3.61)	0.15	**	**	**	-
Chromosomal Anomalies (758)	**	**	25 (6.44)	0.26	**	**	**	-
Multiple Anomalies (759)	0 (0.00)	0.00	21 (5.41)	0.22	-	-	-	-

Note: *Rates shown for congenital anomalies are crude rates per 1,000 births. Populations from census years (1991, 1996, 2001) otherwise they are inter-censal estimates obtained from New Brunswick Health and Wellness, LCD/UCL – Lower/upper confidence limits, ** Data suppressed due to small numbers (n≤ 5).

Table 15: Rate ratio of selected causes of death (males and females) for Greater Belledune Area (GBA) and New Brunswick Standard Population, 1989-2001

Disease Classification (ICD-9)	GBA		NB Standard		Rate Ratio	95% LCL	95% UCL	P-value
	N (%)	Rate*	N (%)	Rate*				
Neoplasms (140-208)	217 (34.34)	3.21	17,389 (26.78)	2.14	1.50	1.30	1.70	<0.01
Endocrine, and metabolic diseases (240-279)	21 (3.32)	0.31	2,265 (3.49)	0.28	1.12	0.64	1.60	0.70
Nervous system and sense organs (320-389)	16 (2.53)	0.24	2,184 (3.36)	0.27	0.88	0.45	1.32	0.62
Circulatory System (390-459)	226 (35.76)	3.34	25,510 (39.29)	3.13	1.07	0.93	1.21	0.35
Respiratory System (460-519)	44 (6.96)	0.65	5,585 (8.60)	0.69	0.95	0.67	1.23	0.73
Digestive System (520-579)	22 (3.48)	0.33	2,223 (3.42)	0.27	1.19	0.69	1.69	0.48
Genitourinary System (580-629)	9 (1.42)	0.13	1,156 (1.78)	0.14	0.94	0.32	1.55	0.92
Skin & Subcutaneous tissue (680-709)	0 (0.00)	0.00	59 (0.09)	0.01	-	-	-	-
Musculoskeletal and connective tissue (710-739)	**	**	331 (0.51)	0.04	**	**	**	-
Congenital anomalies (740-759)	**	**	324 (0.50)	0.04	**	**	**	-
Conditions originated from the perinatal period (760-779)	0 (0.00)	0.00	234 (0.36)	0.03	-	-	-	-
Other causes	70 (11.08)	1.04	7,664 (11.80)	0.94	1.10	0.84	1.36	0.46
All causes	632 (100.00)	9.35	64,924 (100.00)	7.97	1.17	1.08	1.26	<0.01

Note: * Rates shown are crude rates per 100,000 persons, Populations from census years (1991, 1996, 2001) otherwise they are inter-censal estimates obtained from New Brunswick Health and Wellness, LCD/UCL – Lower/upper confidence limits, ** Data suppressed due to small numbers (n≤ 5)

Table 16: Rate ratio of selected causes of death (males) for Greater Belledune Area (GBA) and New Brunswick Standard Population, 1989-2001

Disease Classification (ICD-9)	GBA		NB Standard		Rate Ratio	95% LCL	95% UCL	P-value
	N (%)	Rate*	N (%)	Rate*				
Neoplasms (140-208)	138 (35.48)	4.09	9,582 (27.97)	2.38	1.72	1.43	2.01	<0.01
Endocrine, and metabolic diseases (240-279)	10 (2.57)	0.30	1,072 (3.13)	0.27	1.11	0.42	1.81	0.86
Nervous system and sense organs (320-389)	8 (2.06)	0.24	957 (2.79)	0.24	1.00	0.30	1.69	1.00
Circulatory System (390-459)	133 (34.19)	3.94	12,984 (37.90)	3.22	1.22	1.01	1.43	0.02
Respiratory System (460-519)	24 (6.17)	0.71	3,097 (9.04)	0.77	0.92	0.55	1.30	0.71
Digestive System (520-579)	16 (4.11)	0.47	1,124 (3.28)	0.28	1.70	0.86	2.54	0.05
Genitourinary System (580-629)	**	**	594 (1.73)	0.15	**	**	**	**
Skin & Subcutaneous tissue (680-709)	0 (0.00)	0.00	24 (0.07)	0.01	-	-	-	-
Musculoskeletal and connective tissue (710-739)	0 (0.00)	0.00	107 (0.31)	0.03	-	-	-	-
Congenital anomalies (740-759)	**	**	169 (0.49)	0.04	**	**	**	**
Conditions originated from the perinatal period (760-779)	0 (0.00)	0.00	132 (0.39)	0.03	-	-	-	-
Other causes	55 (14.14)	1.63	4,419 (12.90)	1.10	1.49	1.09	1.88	<0.01
All causes	389 (100.00)	11.52	34,261 (100.00)	8.50	1.36	1.22	1.49	<0.01

Note: * Rates shown are crude rates per 100,000 persons, populations from census years (1991, 1996, 2001) otherwise they are inter-censal estimates obtained from New Brunswick Health and Wellness, LCD/UCL – Lower/upper confidence limits, ** Data suppressed due to small numbers (n≤ 5).

Table 17: Rate ratio of selected causes of death (females) for Greater Belledune Area (GBA) and New Brunswick Standard Population, 1989-2001

Disease Classification (ICD-9)	GBA		NB Standard		Rate Ratio	95% LCL	95% UCL	P-value
	N (%)	Rate*	N (%)	Rate*				
Neoplasms (140-208)	79 (32.51)	2.33	7,807 (25.46)	1.90	1.23	0.96	1.50	0.08
Endocrine, and metabolic diseases (240-279)	11 (4.53)	0.32	1,193 (3.89)	0.29	1.12	0.46	1.79	0.82
Nervous system and sense organs (320-389)	8 (3.29)	0.24	1,227 (4.00)	0.30	0.79	0.24	1.34	0.52
Circulatory System (390-459)	93 (38.27)	2.75	12,526 (40.85)	3.04	0.90	0.72	1.09	0.32
Respiratory System (460-519)	20 (8.23)	0.59	2,488 (8.11)	0.60	0.98	0.55	1.41	0.99
Digestive System (520-579)	6 (2.47)	0.18	1,099 (3.58)	0.27	0.66	0.13	1.20	0.32
Genitourinary System (580-629)	7 (2.88)	0.21	562 (1.83)	0.14	1.51	0.39	2.64	0.39
Skin & Subcutaneous tissue (680-709)	0 (0.00)	0.00	35 (0.11)	0.01	-	-	-	-
Musculoskeletal and connective tissue (710-739)	**	**	224 (0.73)	0.05	**	**	**	-
Congenital anomalies (740-759)	**	**	155 (0.51)	0.04	**	**	**	-
Conditions originated from the perinatal period (760-779)	0 (0.00)	0.00	102 (0.33)	0.02	-	-	-	-
Other causes	15 (6.17)	0.44	3,245 (10.58)	0.79	0.56	0.28	0.85	0.02
All causes	243 (100.00)	7.18	30,663 (100.00)	7.45	0.96	0.84	1.08	0.56

Note: * Rates shown are crude rates per 100,000 persons, populations from census years (1991, 1996, 2001) otherwise they are inter-censal estimates obtained from New Brunswick Health and Wellness, LCD/UCL – Lower/upper confidence limits, ** Data suppressed due to small numbers (n≤ 5).

Table 18: Proportional Mortality Ratio (GBA), 1989-2001.

Cause of Death	Males and Females			Males			Females		
	N	PMR*	P-value	N	PMR*	P-value	N	PMR*	P-value
Neoplasms(140-208)	217	1.28	<0.05	138	1.27	<0.05	79	1.28	<0.05
Endocrine, and metabolic diseases(240-279)	21	0.95	0.82	10	0.82	0.51	11	1.16	0.62
Nervous system and sense organs (320-389)	16	0.75	0.25	8	0.74	0.38	8	0.82	0.58
Circulatory System(390-459)	226	0.91	0.16	133	0.90	0.23	93	0.94	0.53
Respiratory System(460-519)	44	0.81	0.15	24	0.68	0.06	20	1.01	0.95
Digestive System(520-579)	22	1.02	0.94	16	1.25	0.37	6	0.69	0.36
Genitourinary System(580-629)	9	0.80	0.50	**	**	**	**	**	**
Skin & Subcutaneous tissue(680-709)	**	**	**	**	**	**	**	**	**
Musculoskeletal and connective tissue(710-739)	**	**	**	**	**	**	**	**	**
Congenital anomalies(740-759)	**	**	**	**	**	**	**	**	**
Conditions originated from the perinatal period (760-779)	**	**	**	**	**	**	**	**	**
Other causes	70	0.94	0.59	55	1.10	0.50	15	0.58	<0.05
All causes	632	-	-	389	-	-	243	-	-

Note: *PMR- Crude Proportional Mortality Ratio, ** Data suppressed due to small numbers (n≤ 5).

Table 19: Standardized mortality ratio (SMR) by selected causes of death for Greater Belledune Area for males and females combined, 1989-2001

Disease Classification (ICD-9)	Observed	Expected	SMR	95% LCL	95% UCL	P-value
Neoplasms (140-208)	217	141.39	1.53	1.33	1.74	<0.01
Endocrine, and metabolic diseases (240-279)	21	17.69	1.19	0.68	1.69	0.43
Nervous system and sense organs (320-389)	16	16.44	0.97	0.50	1.45	0.91
Circulatory System (390-459)	226	194.04	1.16	1.01	1.32	0.02
Respiratory System (460-519)	44	42.10	1.05	0.74	1.35	0.76
Digestive System (520-579)	22	17.30	1.27	0.74	1.80	0.26
Genitourinary System (580-629)	9	8.64	1.04	0.36	1.72	0.92
Skin & Subcutaneous tissue (680-709)	0	0.42	0.00	-	-	-
Musculoskeletal and connective tissue (710-739)	**	2.55	0.78	**	**	-
Congenital anomalies (740-759)	**	2.46	2.03	**	**	-
Conditions originated from the perinatal period (760-779)	0	1.67	0.00	-	-	-
Other causes	70	59.76	1.17	0.90	1.45	0.19
All causes	632	504.51	1.25	1.16	1.35	<0.01

Note: LCD/UCL – Lower/upper confidence limits, ** Data suppressed due to small numbers (n≤ 5).

Table 20: Standardized mortality ratio (SMR) by selected causes of death for Greater Belledune Area for males, 1989-2001

Disease Classification (ICD-9)	Observed	Expected	SMR	95% LCL	95% UCL	P-value
Neoplasms (140-208)	138	81.01	1.70	1.42	1.99	<0.01
Endocrine, and metabolic diseases (240-279)	10	8.81	1.14	0.43	1.84	0.69
Nervous system and sense organs (320-389)	8	7.62	1.05	0.32	1.78	0.89
Circulatory System (390-459)	133	105.21	1.26	1.05	1.48	<0.01
Respiratory System (460-519)	24	24.28	0.99	0.59	1.38	0.95
Digestive System (520-579)	16	9.30	1.72	0.88	2.56	0.03
Genitourinary System (580-629)	**	**	0.43	**	**	**
Skin & Subcutaneous tissue (680-709)	0	0.19	0.00	-	-	-
Musculoskeletal and connective tissue (710-739)	0	0.88	0.00	-	-	-
Congenital anomalies (740-759)	**	**	2.40	**	**	**
Conditions originated from the perinatal period (760-779)	0	0.89	0.00	-	-	-
Other causes	55	36.23	1.52	1.12	1.92	<0.01
All causes	389	280.29	1.39	1.25	1.53	<0.01

Note: LCD/UCL – Lower/upper confidence limits, ** Data suppressed due to small numbers (n≤ 5).

Table 21: Standardized mortality ratio (SMR) by selected causes of death for Greater Belledune Area for females, 1989-2001

Disease Classification (ICD-9)	Observed	Expected	SMR	95% LCL	95% UCL	P-value
Neoplasms (140-208)	79	61.54	1.28	1.00	1.57	0.03
Endocrine, and metabolic diseases (240-279)	11	8.95	1.23	0.50	1.96	0.49
Nervous system and sense organs (320-389)	8	8.89	0.90	0.28	1.52	0.76
Circulatory System (390-459)	93	90.43	1.03	0.82	1.24	0.79
Respiratory System (460-519)	20	18.16	1.10	0.62	1.58	0.66
Digestive System (520-579)	6	8.11	0.74	0.15	1.33	0.46
Genitourinary System (580-629)	7	4.07	1.72	0.45	2.99	0.15
Skin & Subcutaneous tissue (680-709)	0	0.26	0.00	-	-	-
Musculoskeletal and connective tissue (710-739)	**	1.67	1.20	**	**	**
Congenital anomalies (740-759)	**	1.20	1.66	**	**	**
Conditions originated from the perinatal period (760-779)	0	0.77	0.00	-	-	-
Other causes	15	23.86	0.63	0.31	0.95	0.07
All causes	243	227.91	1.07	0.93	1.20	0.32

Note: LCD/UCL – Lower/upper confidence limits, ** Data suppressed due to small numbers (n≤ 5).

Table 22: Rate ratio of live births for Health Regions 5&6 (HR 5&6) to the New Brunswick Standard Population, 1989-2001

Year	Health Regions 5&6			New Brunswick Standard Population			Rate Ratio	95% LCL	95% UCL	p-value
	Population	Number	Rate*	Population	Number	Rate*				
1989	123,472	1,485	12.03	614,522	8,166	13.29	0.91	0.86	0.96	<0.001
1990	123,766	1,524	12.31	619,189	8,294	13.39	0.92	0.87	0.97	0.002
1991	124,062	1,451	11.70	621,484	8,042	12.94	0.90	0.85	0.95	<0.001
1992	124,043	1,400	11.29	624,420	7,985	12.79	0.88	0.83	0.93	<0.001
1993	123,953	1,293	10.43	625,577	7,748	12.39	0.84	0.79	0.89	<0.001
1994	123,403	1,297	10.51	627,539	7,668	12.22	0.86	0.81	0.91	<0.001
1995	122,776	1,203	9.80	629,006	7,353	11.69	0.84	0.79	0.89	<0.001
1996	122,218	1,044	8.54	630,777	7,128	11.30	0.76	0.71	0.81	<0.001
1997	121,882	1,162	9.53	632,355	6,745	10.67	0.89	0.84	0.95	<0.001
1998	120,923	1,054	8.72	632,498	6,814	10.77	0.81	0.76	0.86	<0.001
1999	119,916	979	8.16	634,432	6,626	10.44	0.78	0.73	0.83	<0.001
2000	119,286	982	8.23	637,312	6,358	9.98	0.83	0.77	0.88	<0.001
2001	112,530	905	8.04	615,105	6,236	10.14	0.79	0.74	0.85	<0.001
Total	1,582,230	15,779	9.97	8,144,216	95,163	11.68	0.85	0.84	0.87	<0.001

Note: *Rates shown for births are crude rates per 1,000 populations. Populations from census years (1991, 1996, 2001) otherwise they are intercensal estimates obtained from New Brunswick Health and Wellness. LCD/UCL – Lower/upper confidence limits.

Table 23: Rate ratio of deaths for Health Regions 5&6 (HR 5&6) to the New Brunswick Standard Population, 1989-2001

Year	Health Regions 5&6			New Brunswick Standard Population			Rate Ratio	95% LCL	95% UCL	p-value
	Population	Number	Rate*	Population	Number	Rate*				
1989	123,472	796	6.45	614,522	4,757	7.74	0.83	0.77	0.90	<0.001
1990	123,766	847	6.84	619,189	4,666	7.54	0.91	0.84	0.97	0.009
1991	124,062	841	6.78	621,484	4,752	7.65	0.89	0.82	0.95	0.001
1992	124,043	841	6.78	624,420	4,858	7.78	0.87	0.81	0.94	<0.001
1993	123,953	854	6.89	625,577	4,965	7.94	0.87	0.81	0.93	<0.001
1994	123,403	901	7.30	627,539	5,024	8.01	0.91	0.85	0.98	0.01
1995	122,776	836	6.81	629,006	5,105	8.12	0.84	0.78	0.90	<0.001
1996	122,218	902	7.38	630,777	5,000	7.93	0.93	0.87	1.00	0.05
1997	121,882	862	7.07	632,355	5,088	8.05	0.88	0.82	0.94	<0.001
1998	120,923	945	7.81	632,498	5,365	8.48	0.92	0.86	0.99	0.02
1999	119,916	957	7.98	634,432	5,123	8.07	0.99	0.92	1.06	0.73
2000	119,286	912	7.65	637,312	5,182	8.13	0.94	0.87	1.01	0.07
2001	112,530	951	8.45	615,105	5,039	8.19	1.03	0.96	1.10	0.39
Total	1,582,230	11,445	7.23	8,144,216	64,924	7.97	0.91	0.89	0.93	<0.001

*Rates shown for deaths are crude rates per 1,000 populations. Populations from census years (1991, 1996, 2001) otherwise they are inter-censal estimates obtained from New Brunswick Health and Wellness, LCD/UCL – Lower/upper confidence limits.

Table 24: Live births by age of mother and gestational age for Health Regions 5&6 (HR 5&6) to the New Brunswick Standard Population, 1989-2001

Year	Health Regions 5&6					New Brunswick Standard Population				
	Gestational Age (weeks)				Total	Gestational Age (weeks)				Total
	<27 (%)	28-36 (%)	37-41 (%)	42+ (%)		<27 (%)	28-36 (%)	37-41 (%)	42+ (%)	
1989	**	80 (8.49)	1,329 (9.26)	74 (16.63)	1,485 (9.41)	42 (11.97)	548 (9.08)	7,193 (8.44)	383 (10.64)	8,166 (8.58)
1990	**	75 (7.96)	1,372 (9.56)	74 (16.63)	1,524 (9.66)	33 (9.40)	487 (8.07)	7,331 (8.61)	443 (12.31)	8,294 (8.72)
1991	10 (23.81)	69 (7.32)	1,301 (9.07)	71 (15.96)	1,451 (9.20)	29 (8.26)	534 (8.85)	7,051 (8.28)	428 (11.89)	8,042 (8.45)
1992	**	73 (7.75)	1,272 (8.86)	52 (11.69)	1,400 (8.87)	31 (8.83)	495 (8.20)	7,087 (8.32)	372 (10.34)	7,985 (8.39)
1993	**	84 (8.92)	1,155 (8.05)	53 (11.91)	1,293 (8.19)	27 (7.69)	520 (8.61)	6,799 (7.98)	402 (11.17)	7,748 (8.14)
1994	**	75 (7.96)	1,181 (8.23)	37 (8.31)	1,297 (8.22)	22 (6.27)	546 (9.04)	6,771 (7.95)	329 (9.14)	7,668 (8.06)
1995	**	73 (7.75)	1,101 (7.67)	28 (6.29)	1,203 (7.62)	15 (4.27)	426 (7.06)	6,601 (7.75)	311 (8.64)	7,353 (7.73)
1996	**	66 (7.01)	958 (6.68)	16 (3.60)	1,044 (6.62)	20 (5.70)	443 (7.34)	6,421 (7.54)	244 (6.78)	7,128 (7.49)
1997	**	76 (8.07)	1,070 (7.46)	14 (3.15)	1,162 (7.36)	24 (6.84)	384 (6.36)	6,148 (7.22)	189 (5.25)	6,745 (7.09)
1998	**	55 (5.84)	986 (6.87)	10 (2.25)	1,054 (6.68)	40 (11.40)	393 (6.51)	6,210 (7.29)	171 (4.75)	6,814 (7.16)
1999	**	60 (6.37)	909 (6.33)	**	979 (6.20)	24 (6.84)	444 (7.35)	6,020 (7.07)	138 (3.83)	6,626 (6.96)
2000	**	82 (8.70)	892 (6.22)	**	982 (6.22)	16 (4.56)	391 (6.48)	5,862 (6.88)	89 (2.47)	6,358 (6.68)
2001	**	74 (7.86)	824 (5.74)	**	905 (5.74)	28 (7.98)	426 (7.06)	5,682 (6.67)	100 (2.78)	6,236 (6.55)
Total	42 (100.00)	942 (100.00)	14,350 (100.00)	445 (100.00)	15,779 (100.00)	351 (100.00)	6,037 (100.00)	85,176 (100.00)	3,599 (100.00)	95,163 (100.00)

Note: ** Data suppressed due to small numbers (n≤ 5).

Table 25: Birth weight by age of mother and birth weight for Health Regions 5&6 (HR 5&6) to the New Brunswick Standard Population, 1989-2001

Years	Health Regions 5&6				New Brunswick Standard Population				Rate Ratio (LBW)	95% LCL	95% UCL	P-Value
	Birth Weight			Rate	Birth Weight			Rate				
	Total births (%)	< 2,500 grams (%)	≥ 2,500 grams (%)		Total births (%)	< 2,500 grams (%)	≥ 2,500 grams (%)					
1989	1,485 (9.41)	89 (10.36)	1,396 (9.36)	59.93	8,166 (8.58)	472 (9.32)	7,694 (8.54)	57.80	1.04	0.80	1.27	0.79
1990	1,524 (9.66)	90 (10.48)	1,434 (9.61)	59.06	8,294 (8.72)	410 (8.09)	7,884 (8.75)	49.43	1.19	0.92	1.47	0.13
1991	1,451 (9.20)	78 (9.08)	1,373 (9.20)	53.76	8,042 (8.45)	447 (8.83)	7,595 (8.43)	55.58	0.97	0.73	1.20	0.73
1992	1,400 (8.87)	73 (8.50)	1,327 (8.89)	52.14	7,985 (8.39)	435 (8.59)	7,550 (8.38)	54.48	0.96	0.72	1.19	0.67
1993	1,293 (8.19)	67 (7.80)	1,226 (8.22)	51.82	7,748 (8.14)	433 (8.55)	7,315 (8.12)	55.89	0.93	0.69	1.17	0.51
1994	1,297 (8.22)	73 (8.50)	1,224 (8.20)	56.28	7,668 (8.06)	456 (9.00)	7,212 (8.00)	59.47	0.95	0.71	1.18	0.61
1995	1,203 (7.62)	64 (7.45)	1,139 (7.63)	53.20	7,353 (7.73)	344 (6.79)	7,009 (7.78)	46.78	1.14	0.83	1.44	0.37
1996	1,044 (6.62)	50 (5.82)	994 (6.66)	47.89	7,128 (7.49)	370 (7.31)	6,758 (7.50)	51.91	0.92	0.65	1.20	0.53
1997	1,162 (7.36)	65 (7.57)	1,097 (7.35)	55.94	6,745 (7.09)	353 (6.97)	6,392 (7.09)	52.34	1.07	0.79	1.35	0.66
1998	1,054 (6.68)	51 (5.94)	1,003 (6.72)	48.39	6,814 (7.16)	371 (7.32)	6,443 (7.15)	54.45	0.89	0.63	1.15	0.37
1999	979 (6.20)	55 (6.40)	924 (6.19)	56.18	6,626 (6.96)	364 (7.19)	6,262 (6.95)	54.94	1.02	0.73	1.31	0.92
2000	982 (6.22)	49 (5.70)	933 (6.25)	49.90	6,358 (6.68)	295 (5.82)	6,063 (6.73)	46.40	1.08	0.75	1.40	0.67
2001	905 (5.74)	55 (6.40)	850 (5.70)	60.77	6,236 (6.55)	315 (6.22)	5,921 (6.57)	50.51	1.20	0.86	1.55	0.22
Total	15,779 (100.00)	859 (100.00)	14,920 (100.00)	54.44	95,163 (100.00)	5,065 (100.00)	90,098 (100.00)	53.22	1.02	0.95	1.10	0.54

Note: *Rates shown for low birth weights are crude rates per 1,000 live births. Populations from census years (1991, 1996, 2001) otherwise they are intercensal estimates obtained from New Brunswick Health and Wellness. LCD/UCL – Lower/upper confidence limits.

Table 26: Rate ratio of infant mortality for Health Regions 5&6 (HR 5&6) to the New Brunswick Standard Population, 1989-2001

Year	Health Regions 5&6			New Brunswick Standard Population			Ratio	95% LCL	95% UCL	P-value
	Number of Births	Infant Deaths (0-364 days)		Number of Births	Infant Deaths (0-364 days)					
		Number	Rate*		Number	Rate*				
1989	1,485 (9.41)	8 (9.41)	5.39	8,166 (8.58)	61 (10.87)	7.47	0.72	0.19	1.25	0.30
1990	1,524 (9.66)	14 (16.47)	9.19	8,294 (8.72)	59 (10.52)	7.11	1.29	0.54	2.04	0.48
1991	1,451 (9.20)	11 (12.94)	7.58	8,042 (8.45)	52 (9.27)	6.47	1.17	0.41	1.94	0.76
1992	1,400 (8.87)	6 (7.06)	4.29	7,985 (8.39)	55 (9.80)	6.89	0.62	0.10	1.15	0.19
1993	1,293 (8.19)	**	**	7,748 (8.14)	62 (11.05)	8.00	**	**	**	-
1994	1,297 (8.22)	9 (10.59)	6.94	7,668 (8.06)	40 (7.13)	5.22	1.33	0.37	2.29	0.57
1995	1,203 (7.62)	**	**	7,353 (7.73)	38 (6.77)	5.17	**	**	**	-
1996	1,044 (6.62)	6 (7.06)	5.75	7,128 (7.49)	34 (6.06)	4.77	1.20	0.16	2.25	0.86
1997	1,162 (7.36)	7 (8.24)	6.02	6,745 (7.09)	38 (6.77)	5.63	1.07	0.21	1.93	0.99
1998	1,054 (6.68)	6 (7.06)	5.69	6,814 (7.16)	45 (8.02)	6.60	0.86	0.13	1.60	0.88
1999	979 (6.20)	**	**	6,626 (6.96)	33 (5.88)	4.98	**	**	**	-
2000	982 (6.22)	**	**	6,358 (6.68)	21 (3.74)	3.30	**	**	**	-
2001	905 (5.74)	**	**	6,236 (6.55)	23 (4.10)	3.69	**	**	**	-
Total	15,779 (100.00)	85 (100.00)	5.39	95,163 (100.00)	561 (100.00)	5.90	0.91	0.71	1.12	0.41

Note: *Rates shown for infant deaths are crude rates per 1,000 live births. Populations from census years (1991, 1996, 2001) otherwise they are intercensal estimates obtained from New Brunswick Health and Wellness, LCD/UCL – Lower/upper confidence limits, ** Data suppressed due to small numbers (n≤ 5).

Table 27: Rate ratio of stillborn by year and sex for Health Regions 5&6 (HR 5&6) to the New Brunswick Standard Population, 1989-2001

Year	Health Regions 5&6			New Brunswick Standard Population			Rate Ratio	95% LCL	95% UCL	P-value
	Total Births	Stillborn	Rate*	Total Births	Stillborn	Rate*				
1989	1,485 (9.41)	13 (14.29)	8.75	8,166 (8.58)	44 (8.13)	5.39	1.62	0.62	2.63	0.17
1990	1,524 (9.66)	9 (9.89)	5.91	8,294 (8.72)	57 (10.54)	6.87	0.86	0.26	1.46	0.55
1991	1,451 (9.20)	12 (13.19)	8.27	8,042 (8.45)	45 (8.32)	5.60	1.48	0.54	2.42	0.3
1992	1,400 (8.87)	11 (12.09)	7.86	7,985 (8.39)	42 (7.76)	5.26	1.49	0.50	2.49	0.31
1993	1,293 (8.19)	7 (7.69)	5.41	7,748 (8.14)	42 (7.76)	5.42	1.00	0.20	1.80	0.84
1994	1,297 (8.22)	**	**	7,668 (8.06)	54 (9.98)	7.04	**	**	**	-
1995	1,203 (7.62)	**	**	7,353 (7.73)	31 (5.73)	4.22	**	**	**	-
1996	1,044 (6.62)	**	**	7,128 (7.49)	37 (6.84)	5.19	**	**	**	-
1997	1,162 (7.36)	9 (9.89)	7.75	6,745 (7.09)	38 (7.02)	5.63	1.37	0.38	2.37	0.51
1998	1,054 (6.68)	**	**	6,814 (7.16)	34 (6.28)	4.99	**	**	**	-
1999	979 (6.20)	**	**	6,626 (6.96)	47 (8.69)	7.09	**	**	**	-
2000	982 (6.22)	**	**	6,358 (6.68)	34 (6.28)	5.35	**	**	**	-
2001	905 (5.74)	**	**	6,236 (6.55)	36 (6.65)	5.77	**	**	**	-
Total	15,779 (100.00)	91 (100.00)	5.77	95,163 (100.00)	541 (100.00)	5.68	1.01	0.79	1.24	0.99

Note: *Rates shown for stillborn are crude rates per 1,000 live births. Populations from census years (1991, 1996, 2001) otherwise they are intercensal estimates obtained from New Brunswick Health and Wellness, LCD/UCL – Lower/upper confidence limits, ** Data suppressed due to small numbers (n≤ 5).

Table 28: Rate ratio of congenital anomalies for Health Regions 5&6 (HR 5&6) to the New Brunswick Standard Population, 1989-2001

Year	Health Regions 5&6			New Brunswick Standard Population			Rate Ratio	95% LCL	95% UCL	P-value
	Total Births	Congenital Anomalies	Rate*	Total Births	Congenital Anomalies	Rate*				
1989	1,485 (9.41)	8 (12.90)	5.39	8,166 (8.58)	43 (11.08)	5.27	1.02	0.25	1.80	0.89
1990	1,524 (9.66)	4 (6.45)	2.62	8,294 (8.72)	24 (6.19)	2.89	0.91	0.00	1.87	0.66
1991	1,451 (9.20)	7 (11.29)	4.82	8,042 (8.45)	34 (8.76)	4.23	1.14	0.21	2.07	0.92
1992	1,400 (8.87)	7 (11.29)	5.00	7,985 (8.39)	41 (10.57)	5.13	0.97	0.19	1.75	0.79
1993	1,293 (8.19)	**	**	7,748 (8.14)	56 (14.43)	7.23	**	**	**	**
1994	1,297 (8.22)	12 (19.35)	9.25	7,668 (8.06)	30 (7.73)	3.91	2.36	0.78	3.95	0.01
1995	1,203 (7.62)	4 (6.45)	3.33	7,353 (7.73)	37 (9.54)	5.03	0.66	0.00	1.34	0.31
1996	1,044 (6.62)	6 (9.68)	5.75	7,128 (7.49)	34 (8.76)	4.77	1.20	0.16	2.25	0.86
1997	1,162 (7.36)	5 (8.06)	4.30	6,745 (7.09)	24 (6.19)	3.56	1.21	0.04	2.37	0.89
1998	1,054 (6.68)	1 (1.61)	0.95	6,814 (7.16)	18 (4.64)	2.64	0.36	0.00	1.08	0.17
1999	979 (6.20)	3 (4.84)	3.06	6,626 (6.96)	15 (3.87)	2.26	1.35	0.00	3.03	0.89
2000	982 (6.22)	1 (1.61)	1.02	6,358 (6.68)	18 (4.64)	2.83	0.36	0.00	1.08	0.17
2001	905 (5.74)	0 (0.00)	0.00	6,236 (6.55)	14 (3.61)	2.25	0.00	0.00	0.00	0.07
Total	15,779 (100.00)	62 100.00)	3.93	95,163 (100.00)	388 (100.00)	4.08	0.96	0.71	1.22	0.74

*Rates shown for congenital anomalies are crude rates per 1,000 live births. Populations from census years (1991, 1996, 2001) otherwise they are intercensal estimates obtained from New Brunswick Health and Wellness, LCD/UCL – Lower/upper confidence limits, ** Data suppressed due to small numbers (n≤ 5).

Table 29: Congenital anomalies for Health Regions 5&6 (HR 5&6) to the New Brunswick Standard Population, 1989-2001

Congenital Anomalies (ICD-9)	HR 5&6		NB Standard		Rate Ratio	95% LCL	95% UCL	P-value
	N (%)	Rate	N (%)	Rate				
All Congenital Anomalies (740-759)	62 (100.00)	3.93	388 (100.00)	4.08	0.96	0.71	1.22	0.74
Nervous system defects (740-742)	11 (17.74)	0.70	47 (12.11)	0.49	1.41	0.48	2.34	0.40
Anomalies of the Eye (743)	**	**	**	**	**	**	**	**
Anomalies of Ear, Face, Neck (742)	0 (0.00)	0.00	15 (3.87)	0.16	0.00	-	-	-
Anomalies of Heart (745-746)	**	**	29 (7.47)	0.30	**	**	**	**
Anomalies of Circulatory System (747)	0 (0.00)	0.00	**	0.03	**	-	-	-
Anomalies of Respiratory System (748)	**	**	**	0.04	**	**	**	**
Cleft Palate/Cleft Lip (749)	**	**	35 (9.02)	0.37	**	**	**	**
Anomalies of Upper Alimentary Tract (750)	**	**	5 (1.29)	0.05	**	**	**	**
Other Anomalies of Digestive System (751)	**	**	12 (3.09)	0.13	**	**	**	**
Anomalies of Genital Organs (752)	**	**	38 (9.79)	0.40	**	**	**	**
Anomalies of Urinary System (753)	**	**	11 (2.84)	0.12	**	**	**	**
Congenital Musculoskeletal Deformities (754-756)	19 (30.65)	1.20	126 (32.47)	1.32	0.91	0.47	1.35	0.61
Anomalies of Integument (757)	**	**	14 (3.61)	0.15	**	**	**	**
Chromosomal Anomalies (758)	**	**	25 (6.44)	0.26	**	**	**	**
Multiple Anomalies (759)	**	**	21 (5.41)	0.22	**	**	**	**

Note: *Rates shown for congenital anomalies are crude rates per 1,000 live births. Populations from census years (1991, 1996, 2001) otherwise they are intercensal estimates obtained from New Brunswick Health and Wellness, LCD/UCL – Lower/upper confidence limits, ** Data suppressed due to small numbers (n≤ 5).

Table 30: Rate ratio of selected causes of death (males and females) for Health Regions 5&6 (HR 5&6) to the New Brunswick Standard Population, 1989-2001

Disease Classification (ICD-9)	HR 5&6		NB Standard		Rate Ratio	95% LCL	95% UCL	P-value
	N (%)	Rate*	N (%)	Rate*				
Neoplasms (140-208)	3,274 (28.61)	2.07	17,389 (26.78)	2.14	0.97	0.93	1.01	0.10
Endocrine, and metabolic diseases (240-279)	455 (3.98)	0.29	2,265 (3.49)	0.28	1.03	0.93	1.14	0.53
Nervous system and sense organs (320-389)	342 (2.99)	0.22	2,184 (3.36)	0.27	0.81	0.71	0.90	<0.001
Circulatory System (390-459)	4,041 (35.31)	2.55	25,510 (39.29)	3.13	0.82	0.79	0.84	<0.001
Respiratory System (460-519)	960 (8.39)	0.61	5,585 (8.60)	0.69	0.88	0.82	0.95	<0.001
Digestive System (520-579)	388 (3.39)	0.25	2,223 (3.42)	0.27	0.90	0.80	1.00	0.05
Genitourinary System (580-629)	230 (2.01)	0.15	1,156 (1.78)	0.14	1.02	0.88	1.17	0.76
Skin & Subcutaneous tissue (680-709)	6 (0.05)	0.00	59 (0.09)	0.01	0.52	0.08	0.96	0.09
Musculoskeletal and connective tissue (710-739)	64 (0.56)	0.04	331 (0.51)	0.04	1.00	0.73	1.26	0.92
Congenital anomalies (740-759)	60 (0.52)	0.04	324 (0.50)	0.04	0.95	0.69	1.22	0.69
Conditions originated from the perinatal period (760-779)	29 (0.25)	0.02	234 (0.36)	0.03	0.64	0.39	0.88	0.02
Other causes	1,596 (13.94)	1.01	7,664 (11.80)	0.94	1.07	1.01	1.13	0.01
All causes	11,445 (100.00)	7.23	64,924 (100.00)	7.97	0.91	0.89	0.93	<0.001

Note: *Rates shown for selected causes of death are crude rates per 100,000 populations. Populations from census years (1991, 1996, 2001) otherwise they are intercensal estimates obtained from New Brunswick Health and Wellness. LCD/UCL – Lower/upper confidence limits.

Table 31: Rate ratio of selected leading causes of death (males) for Health Regions 5&6 (HR 5&6) to the New Brunswick Standard Population, 1989-2001

Disease Classification (ICD-9)	HR 5&6		NB Standard		Rate Ratio	95% LCL	95% UCL	P-value
	N (%)	Rate	N (%)	Rate				
Neoplasms (140-208)	1,926 (29.88)	2.43	9,582 (27.97)	2.38	1.02	0.97	1.07	0.35
Endocrine, and metabolic diseases (240-279)	188 (2.92)	0.24	1,072 (3.13)	0.27	0.89	0.75	1.03	0.14
Nervous system and sense organs (320-389)	164 (2.54)	0.21	957 (2.79)	0.24	0.87	0.73	1.02	0.10
Circulatory System (390-459)	2,168 (33.64)	2.74	12,984 (37.90)	3.22	0.85	0.81	0.89	<0.001
Respiratory System (460-519)	578 (8.97)	0.73	3,097 (9.04)	0.77	0.95	0.87	1.04	0.26
Digestive System (520-579)	218 (3.38)	0.28	1,124 (3.28)	0.28	0.99	0.84	1.13	0.84
Genitourinary System (580-629)	124 (1.92)	0.16	594 (1.73)	0.15	1.06	0.86	1.27	0.57
Skin & Subcutaneous tissue (680-709)	**	**	24 (0.07)	0.01	**	**	**	**
Musculoskeletal and connective tissue (710-739)	14 (0.22)	0.02	107 (0.31)	0.03	0.67	0.30	1.04	0.12
Congenital anomalies (740-759)	30 (0.47)	0.04	169 (0.49)	0.04	0.90	0.55	1.26	0.54
Conditions originated from the perinatal period (760-779)	13 (0.20)	0.02	132 (0.39)	0.03	0.50	0.22	0.79	0.01
Other causes	1,017 (15.78)	1.29	4,419 (12.90)	1.10	1.17	1.09	1.25	<0.001
All causes	6,445 (100.00)	8.15	34,261 (100.00)	8.50	0.96	0.93	0.98	0.001

Note: *Rates shown for selected causes of death are crude rates per 100,000 populations. Populations from census years (1991, 1996, 2001) otherwise they are intercensal estimates obtained from New Brunswick Health and Wellness, LCD/UCL – Lower/upper confidence limits, ** Data suppressed due to small numbers (n≤ 5).

Table 32: Rate ratio of selected leading causes of death (females) for Health Regions 5&6 (HR 5&6) to the New Brunswick Standard Population, 1989-2001

Disease Classification (ICD-9)	HR 5&6		NB Standard		Rate Ratio	95% LCL	95% UCL	P-value
	N (%)	Rate	N (%)	Rate				
Neoplasms (140-208)	1,348 (26.96)	1.70	7,807 (25.46)	1.90	0.90	0.85	0.95	<.0001
Endocrine, and metabolic diseases (240-279)	267 (5.34)	0.34	1,193 (3.89)	0.29	1.16	1.01	1.32	0.03
Nervous system and sense organs (320-389)	178 (3.56)	0.22	1,227 (4.00)	0.30	0.75	0.64	0.87	<.0001
Circulatory System (390-459)	1,873 (37.46)	2.37	12,526 (40.85)	3.04	0.78	0.74	0.82	<.0001
Respiratory System (460-519)	382 (7.64)	0.48	2,488 (8.11)	0.60	0.80	0.71	0.88	<.0001
Digestive System (520-579)	170 (3.40)	0.21	1,099 (3.58)	0.27	0.80	0.67	0.93	0.001
Genitourinary System (580-629)	106 (2.12)	0.13	562 (1.83)	0.14	0.98	0.78	1.18	0.82
Skin & Subcutaneous tissue (680-709)	**	**	**	**	**	**	**	**
Musculoskeletal and connective tissue (710-739)	50 (1.00)	0.06	224 (0.73)	0.05	1.16	0.81	1.52	0.38
Congenital anomalies (740-759)	30 (0.60)	0.04	155 (0.51)	0.04	1.01	0.61	1.40	0.99
Conditions originated from the perinatal period (760-779)	16 (0.32)	0.02	102 (0.33)	0.02	0.82	0.39	1.25	0.38
Other causes	579 (11.58)	0.73	3,245 (10.58)	0.79	0.93	0.85	1.01	0.09
All causes	5,000 (100.00)	6.32	30,663 (100.00)	7.45	0.85	0.82	0.87	<.0001

Note: *Rates shown for selected causes of death are crude rates per 100,000 populations. Populations from census years (1991, 1996, 2001) otherwise they are intercensal estimates obtained from New Brunswick Health and Wellness, LCD/UCL – Lower/upper confidence limits, ** Data suppressed due to small numbers (n≤ 5).

Table 33: **Proportional Mortality Ratio (Health Regions 5&6), 1989-2001.**

Cause of Death	Males and Females			Males			Females		
	N	PMR*	P-value	N	PMR*	P-value	N	PMR*	P-value
Neoplasms(140-208)	3274	1.07	<0.05	1926	1.07	<0.05	1348	1.06	<0.05
Endocrine, and metabolic diseases(240-279)	455	1.14	<0.05	188	0.93	0.33	267	1.37	<0.05
Nervous system and sense organs (320-389)	342	0.89	<0.05	164	0.91	0.23	178	0.89	0.12
Circulatory System(390-459)	4041	0.90	<0.05	2168	0.89	<0.05	1873	0.92	<0.05
Respiratory System(460-519)	960	0.98	0.43	578	0.99	0.85	382	0.94	0.24
Digestive System(520-579)	388	0.99	0.84	218	1.03	0.65	170	0.95	0.49
Genitourinary System(580-629)	230	1.13	0.07	124	1.11	0.25	106	1.16	0.13
Skin & Subcutaneous tissue(680-709)	6	0.58	0.17	**	**	**	**	**	**
Musculoskeletal and connective tissue(710-739)	64	1.10	0.46	14	0.70	0.17	50	1.37	<0.05
Congenital anomalies(740-759)	60	1.05	0.71	30	0.94	0.75	30	1.19	0.35
Conditions originated from the perinatal period (760-779)	29	0.70	0.06	13	0.52	<0.05	16	0.96	0.87
Other causes	1596	1.18	<0.05	1017	1.22	<0.05	579	1.09	<0.05
All causes	11445	-	-	6445	-	-	5000	-	-

Note: *PMR- Crude Proportional Mortality Ratio, ** Data suppressed due to small numbers (n≤ 5).

Table 34: Standardized mortality ratio (SMR) by causes of death for Health Regions 5&6 for males and females combined, 1989-2001

Disease Classification (ICD-9)	Observed	Expected	SMR	95% LCL	95% UCL	P-value
Neoplasms (140-208)	3274	3184.10	1.03	0.99	1.04	0.11
Endocrine, and metabolic diseases (240-279)	455	408.89	1.11	1.01	1.20	0.03
Nervous system and sense organs (320-389)	342	389.74	0.88	0.78	0.97	0.02
Circulatory System (390-459)	4041	4556.36	0.89	0.86	0.89	<.0001
Respiratory System (460-519)	960	991.07	0.97	0.91	1.00	0.32
Digestive System (520-579)	388	401.88	0.97	0.87	1.05	0.49
Genitourinary System (580-629)	230	205.49	1.12	0.97	1.29	0.09
Skin & Subcutaneous tissue (680-709)	6	10.61	0.57	0.11	3.83	0.16
Musculoskeletal and connective tissue (710-739)	64	59.22	1.08	0.82	1.67	0.53
Congenital anomalies (740-759)	60	59.79	1.00	0.75	1.58	0.98
Conditions originated from the perinatal period (760-779)	29	42.01	0.69	0.44	1.52	0.05
Other causes	1596	1420.03	1.12	1.07	1.15	<.0001
All causes	11445	11729.19	0.98	0.96	0.98	0.01

Note: LCD/UCL – Lower/upper confidence limits.

Table 35: Standardized mortality ratio (SMR) by causes of death for Health Regions 5&6 for males, 1989-2001

Disease Classification (ICD-9)	Observed	Expected	SMR	95% LCL	95% UCL	P-value
Neoplasms (140-208)	1926	1841.38	1.05	1.00	1.06	0.05
Endocrine, and metabolic diseases (240-279)	188	205.76	0.91	0.78	1.08	0.22
Nervous system and sense organs (320-389)	164	182.74	0.90	0.76	1.09	0.17
Circulatory System (390-459)	2168	2485.49	0.87	0.84	0.89	<.0001
Respiratory System (460-519)	578	588.94	0.98	0.90	1.04	0.07
Digestive System (520-579)	218	216.89	1.01	0.87	1.17	0.94
Genitourinary System (580-629)	124	113.51	1.09	0.90	1.40	0.33
Skin & Subcutaneous tissue (680-709)	**	**	1.08	0.13	8.58	-
Musculoskeletal and connective tissue (710-739)	14	20.32	0.69	0.33	2.40	0.16
Congenital anomalies (740-759)	30	31.21	0.96	0.62	2.07	0.83
Conditions originated from the perinatal period (760-779)	13	23.44	0.55	0.25	2.03	-
Other causes	1017	861.88	1.18	1.11	1.22	<.0001
All causes	6445	6576.18	0.98	0.96	0.99	0.11

Note: LCD/UCL – Lower/upper confidence limits, ** Data suppressed due to small numbers (n≤ 5).

Table 36: Standardized mortality ratio (SMR) by causes of death for Health Regions 5&6 for females, 1989-2001

Disease Classification (ICD-9)	Observed	Expected	SMR	95% LCL	95% UCL	P-value
Neoplasms (140-208)	1348	1381.69	0.98	0.92	1.00	0.36
Endocrine, and metabolic diseases (240-279)	267	205.21	1.30	1.15	1.47	<.0001
Nervous system and sense organs (320-389)	178	207.94	0.86	0.73	1.02	0.04
Circulatory System (390-459)	1873	2114.15	0.89	0.85	0.90	<.0001
Respiratory System (460-519)	382	421.50	0.91	0.82	0.99	0.05
Digestive System (520-579)	170	187.81	0.91	0.77	1.09	0.19
Genitourinary System (580-629)	106	95.05	1.12	0.90	1.48	0.26
Skin & Subcutaneous tissue (680-709)	**	**	0.17	0.16	5.94	-
Musculoskeletal and connective tissue (710-739)	50	38.40	1.30	0.94	2.21	0.06
Congenital anomalies (740-759)	30	28.50	1.05	0.68	2.27	0.78
Conditions originated from the perinatal period (760-779)	16	18.53	0.86	0.44	2.74	0.56
Other causes	579	563.94	1.03	0.94	1.09	0.53
All causes	5000	5268.72	0.95	0.92	0.96	0.001

Note: LCD/UCL – Lower/upper confidence limits, ** Data suppressed due to small numbers (n≤ 5).

Appendix 3: Cancer Incidence

Table 37: **Standardized Incidence Ratio (GBA), 1989-2001.**

Cause of Death	Males				Females			
	SIR	LCL	UCL	P-value	SIR	LCL	UCL	P-value
All Cancers (140-208)	1.53	1.34	1.72	<0.05	1.13	0.95	1.31	0.13
Respiratory Cancer (160-165)	1.83	1.39	2.27	<0.05	1.33	0.79	1.88	0.17
Nasal cavity, middle ear, sinus (160)	**	**	**	**	**	**	**	**
Larynx (161)	**	**	**	**	**	**	**	**
Trachea, bronchus, lung (162)	1.90	1.43	2.37	<0.05	1.34	0.78	1.90	0.17
Pleura (163)	**	**	**	**	**	**	**	**
Thymus, heart, mediastinum (164)	**	**	**	**	**	**	**	**
Other ill defined sites (165)	**	**	**	**	**	**	**	**
Prostate Cancer (185)	1.44	1.08	1.79	<0.05	-	-	-	-
Breast Cancer (174)	**	**	**	**	0.83	0.55	1.11	0.28
Bladder Cancer (188)	1.09	0.45	1.74	0.77	**	**	**	**
Kidney Cancer (189)	1.57	0.54	2.59	0.18	1.54	0.31	2.76	0.29
Pancreatic Cancer (157)	**	**	**	**	**	**	**	**
Stomach Cancer (151)	4.14	2.23	6.05	<0.05	2.75	0.55	4.96	**
Colorectal Cancer (153-154)	1.07	0.53	1.61	0.80				
Oral Cancers (140-149)	2.87	1.36	4.37	<0.05	**	**	**	**
Thyroid Cancer (193)	**	**	**	**	**	**	**	**
Cancer in Children								
All Cancers (140-208)	**	**	**	**	**	**	**	**
Hodgkin's disease (201)	**	**	**	**	**	**	**	**
Leukemia (204-208)	**	**	**	**	**	**	**	**

Note: *SIR- Standardized Incidence Ratio, L/UCL- Lower and Upper 95% confidence limits, ** Data suppressed due to small numbers (n≤ 5).

Table 38: **Standardized Incidence Ratio (HR5&6), 1989-2001.**

Cause of Death	Males				Females			
	SIR	LCL	UCL	P-value	SIR	LCL	UCL	P-value
All Cancers (140-208)	1.02	0.98	1.05	0.31	0.93	0.90	0.97	<0.05
Respiratory Cancer (160-165)	1.07	1.00	1.14	0.05	0.89	0.80	0.99	<0.05
Nasal cavity, middle ear, sinus (160)	0.91	0.11	1.72	0.84	**	**	**	**
Larynx (161)	1.09	0.82	1.35	0.51	1.34	0.70	1.97	0.25
Trachea, bronchus, lung (162)	1.07	0.99	1.14	0.07	0.86	0.77	0.96	<0.05
Pleura (163)	1.16	0.44	1.88	0.63	**	**	**	**
Thymus, heart, mediastinum (164)	**	**	**	**	**	**	**	**
Other ill defined sites (165)	**	**	**	**	**	**	**	**
Prostate Cancer (185)	1.02	0.96	1.09	0.49	-	-	-	-
Breast Cancer (174)	**	**	**	**	0.90	0.83	0.96	<0.05
Bladder Cancer (188)	0.97	0.84	1.10	0.67	0.83	0.62	1.03	0.14
Kidney Cancer (189)	1.06	0.88	1.24	0.50	1.09	0.87	1.31	0.39
Pancreatic Cancer (157)	1.10	0.88	1.33	0.36	1.18	0.93	1.42	0.13
Stomach Cancer (151)	1.75	1.49	2.01	<0.05	1.76	1.39	2.13	<0.05
Colorectal Cancer (153-154)	0.77	0.67	0.87	<0.05	0.70	0.61	0.80	<0.05
Oral Cancers (140-149)	1.03	0.84	1.22	0.77	1.38	0.98	1.79	<0.05
Thyroid Cancer (193)	1.06	0.57	1.55	0.79	1.42	1.10	1.75	<0.05
Cancer in Children								
All Cancers (140-208)	1.01	0.68	1.34	0.96	1.02	0.65	1.38	0.92
Hodgkin's disease (201)	1.13	0.46	1.79	0.69	1.26	0.39	2.13	0.52
Leukemia (204-208)	0.98	0.00	2.09	0.95	0.44	0.00	1.31	0.4

Note: *SIR- Standardized Incidence Ratio, L/UCL- Lower and Upper 95% confidence limits, ** Data suppressed due to small numbers (n≤ 5).

Appendix 4: Hospital separations

Overview

Table 39: Total number of hospital separations by fiscal year by geographical area, 1989/90 to 2001/02

Fiscal Year	Greater Belledune Area (%)	Health Regions 5 & 6 (%)	New Brunswick
1989/90	1,254 (0.82)	26,010 (17.11)	152,031
1990/91	1,258 (0.82)	26,377 (17.11)	154,118
1991/92	1,323 (0.84)	26,638 (16.87)	157,890
1992/93	1,277 (0.81)	27,995 (17.84)	156,943
1993/94	1,334 (0.85)	28,399 (18.12)	156,754
1994/95	1,389 (0.85)	28,755 (17.66)	162,788
1995/96	1,355 (0.81)	28,664 (17.06)	168,057
1996/97	1,299 (0.82)	26,847 (17.00)	157,891
1997/98	1,182 (0.75)	27,199 (17.28)	157,382
1998/99	1,366 (0.76)	27,497 (15.34)	179,303
1999/00	1,267 (0.71)	26,663 (14.84)	179,654
2000/01	1,222 (0.70)	25,265 (14.47)	174,557
2001/02	1,227 (0.70)	24,798 (14.13)	175,439
Total	16,753 (0.79)	351,107 (16.46)	2,132,807

Source: New Brunswick Department of Health and Wellness.

Table 40: Total number of hospital separations by age-group by geographical area, 1989/90 to 2001/02

Age Group	Greater Belledune Area (%)		Health Regions 5 & 6 (%)		New Brunswick	
	Males N(%)	Females N (%)	Males N(%)	Females N (%)	Males N(%)	Females N (%)
0-9	737 (9.85)	701 (7.56)	18,823 (12.12)	13,874 (7.09)	90,543 (9.71)	64,311 (5.36)
10-19	412 (5.50)	535 (5.77)	9,487 (6.11)	12,910 (6.59)	51,864 (5.56)	73,343 (6.11)
20-29	502 (6.71)	1,557 (16.80)	9,915 (6.38)	30,763 (15.71)	62,333 (6.69)	189,600 (15.79)
30-39	754 (10.07)	1,281 (13.82)	16,107 (10.37)	29,595 (15.12)	93,503 (10.03)	177,440 (14.78)
40-49	985 (13.16)	1,332 (14.37)	18,846 (12.13)	25,141 (12.84)	110,105 (11.81)	145,054 (12.08)
50-59	1154 (15.42)	892 (9.63)	20,643 (13.29)	20,191 (10.31)	121,853 (13.07)	123,334 (10.27)
60-69	1235 (16.50)	1,172 (12.65)	23,125 (14.89)	20,598 (10.52)	151,267 (16.22)	135,377 (11.28)
70-79	1115 (14.89)	1,041 (11.23)	23,808 (15.33)	23,112 (11.81)	161,792 (17.35)	163,136 (13.59)
80+	592 (7.91)	756 (8.16)	14,587 (9.39)	19,582 (10.00)	89,149 (9.56)	128,803 (10.73)
Total	7486 (100.00)	9,267 (100.00)	155,341 (100.00)	195,766 (100.00)	932,409 (100.00)	1,200,398 (100.00)

Source: New Brunswick Department of Health and Wellness

Table 41: Hospital separations for most responsible diagnosis as disease of the respiratory system (ICD-9: 460-519) for Greater Belledune Area (GBA) and New Brunswick Standard Population by fiscal year, 1989/90 to 2001/02

Fiscal Year	Greater Belledune Area			New Brunswick Standard Population			Rate Ratio	95% LCL	95% UCL	p-value
	Population	Total	Rate*	Population	Total	Rate*				
1989/90	4,668	108	23.14	614,522	11,853	19.29	1.20	0.97	1.43	0.06
1990/91	4,645	131	28.20	619,189	11,728	18.94	1.49	1.23	1.75	<0.01
1991/92	5,400	118	21.85	621,484	12,496	20.11	1.09	0.89	1.28	0.39
1992/93	5,405	117	21.65	624,420	11,639	18.64	1.16	0.95	1.37	0.12
1993/94	5,401	118	21.85	625,577	11,732	18.75	1.16	0.95	1.38	0.11
1994/95	5,381	117	21.74	627,539	11,937	19.02	1.14	0.93	1.35	0.16
1995/96	5,356	146	27.26	629,006	12,723	20.23	1.35	1.13	1.57	<0.01
1996/97	5,338	117	21.92	630,777	11,295	17.91	1.22	1.00	1.45	0.03
1997/98	5,328	92	17.27	632,355	11,699	18.50	0.93	0.74	1.12	0.51
1998/99	5,288	123	23.26	632,498	11,581	18.31	1.27	1.04	1.50	<0.01
1999/00	5,250	119	22.67	634,432	10,891	17.17	1.32	1.08	1.56	<0.01
2000/01	5,226	94	17.99	637,312	9,671	15.17	1.19	0.94	1.43	0.11
2001/02	4,935	121	24.52	615,105	9,754	15.86	1.55	1.27	1.82	<0.01
Total	67,621	1,521	22.49	8,144,216	148,999	18.30	1.23	1.17	1.29	<0.01

Note: *Crude rates per 1,000 populations. Populations from census years (1991, 1996, 2001) otherwise they are intercensal estimates obtained from New Brunswick Health and Wellness, LCD/UCL – Lower/upper confidence limits.

Table 42: Hospital separations for most responsible diagnosis as disease of the circulatory system (ICD-9: 390-459) for Greater Belledune Area (GBA) and New Brunswick Standard Population by year, 1989/90 to 2001/02

Fiscal Year	Greater Belledune Area			New Brunswick Standard Population			Rate Ratio	95% LCL	95% UCL	P-value
	Population	Total	Rate*	Population	Total	Rate*				
1989/90	4,668	105	22.49	614,522	12,719	20.70	1.09	0.88	1.30	0.42
1990/91	4,645	104	22.39	619,189	12,956	20.92	1.07	0.86	1.28	0.58
1991/92	5,400	161	29.81	621,484	14,047	22.60	1.32	1.11	1.52	<0.01
1992/93	5,405	154	28.49	624,420	13,739	22.00	1.29	1.09	1.50	<0.01
1993/94	5,401	173	32.03	625,577	13,662	21.84	1.47	1.25	1.69	<0.01
1994/95	5,381	179	33.27	627,539	13,322	21.23	1.57	1.34	1.80	<0.01
1995/96	5,356	122	22.78	629,006	14,243	22.64	1.01	0.83	1.19	0.97
1996/97	5,338	167	31.29	630,777	14,016	22.22	1.41	1.19	1.62	<0.01
1997/98	5,328	176	33.03	632,355	14,026	22.18	1.49	1.27	1.71	<0.01
1998/99	5,288	168	31.77	632,498	14,401	22.77	1.40	1.18	1.61	<0.01
1999/00	5,250	173	32.95	634,432	14,676	23.13	1.42	1.21	1.64	<0.01
2000/01	5,226	154	29.47	637,312	14,329	22.48	1.31	1.10	1.52	<0.01
2001/02	4,935	146	29.58	615,105	14,240	23.15	1.28	1.07	1.49	<0.01
Total	67,621	1,982	29.31	8,144,216	180,376	22.15	1.32	1.26	1.38	<0.01

Note: *Crude rates per 1,000 populations. Populations from census years (1991, 1996, 2001) otherwise they are inter-censal estimates obtained from New Brunswick Health and Wellness, LCD/UCL – Lower/upper confidence limits.

Table 43: Hospital separations for most responsible diagnosis as disease of the digestive system (ICD-9: 520-579) for Greater Belledune Area (GBA) and New Brunswick Standard Population by year, 1989/90 to 2001/02

Fiscal Year	Greater Belledune Area			New Brunswick Standard Population			Rate Ratio	95% LCL	95% UCL	p-value
	Population	Total	Rate*	Population	Total	Rate*				
1989/90	4,668	163	34.92	614,522	16,042	26.10	1.34	1.13	1.54	<0.01
1990/91	4,645	182	39.18	619,189	16,442	26.55	1.48	1.26	1.69	<0.01
1991/92	5,400	170	31.48	621,484	16,511	26.57	1.18	1.01	1.36	0.03
1992/93	5,405	167	30.90	624,420	16,188	25.92	1.19	1.01	1.37	0.02
1993/94	5,401	162	29.99	625,577	16,185	25.87	1.16	0.98	1.34	0.06
1994/95	5,381	190	35.31	627,539	17,591	28.03	1.26	1.08	1.44	<0.01
1995/96	5,356	179	33.42	629,006	19,457	30.93	1.08	0.92	1.24	0.32
1996/97	5,338	175	32.78	630,777	17,148	27.19	1.21	1.03	1.39	<0.01
1997/98	5,328	153	28.72	632,355	16,763	26.51	1.08	0.91	1.26	0.34
1998/99	5,288	164	31.01	632,498	17,606	27.84	1.11	0.94	1.29	0.17
1999/00	5,250	117	22.29	634,432	16,813	26.50	0.84	0.69	0.99	0.05
2000/01	5,226	147	28.13	637,312	16,472	25.85	1.09	0.91	1.27	0.32
2001/02	4,935	116	23.51	615,105	16,046	26.09	0.90	0.74	1.07	0.26
Total	67,621	2,085	30.83	8,144,216	219,264	26.92	1.15	1.10	1.19	<0.01

Note: *Crude rates per 1,000 populations. Populations from census years (1991, 1996, 2001) otherwise they are intercensal estimates obtained from New Brunswick Health and Wellness, LCD/UCL – Lower/upper confidence limits.

Table 44: Hospital separations for most responsible diagnosis as disease of the genitourinary system (ICD-9: 580-629) for Greater Belledune Area (GBA) and New Brunswick Standard Population by fiscal year, 1989/90 to 2001/02

Fiscal Year	Greater Belledune Area			New Brunswick Standard Population			Rate Ratio	95% LCL	95% UCL	p-value
	Population	Total	Rate*	Population	Total	Rate*				
1989/90	4,668	125	26.78	614,522	15,731	25.60	1.05	0.86	1.23	0.65
1990/91	4,645	122	26.26	619,189	15,326	24.75	1.06	0.87	1.25	0.54
1991/92	5,400	142	26.30	621,484	15,971	25.70	1.02	0.85	1.19	0.82
1992/93	5,405	127	23.50	624,420	15,654	25.07	0.94	0.77	1.10	0.46
1993/94	5,401	138	25.55	625,577	15,444	24.69	1.03	0.86	1.21	0.72
1994/95	5,381	169	31.41	627,539	15,848	25.25	1.24	1.06	1.43	<0.01
1995/96	5,356	169	31.55	629,006	15,360	24.42	1.29	1.10	1.49	<0.01
1996/97	5,338	158	29.60	630,777	14,547	23.06	1.28	1.08	1.48	<0.01
1997/98	5,328	126	23.65	632,355	13,290	21.02	1.13	0.93	1.32	0.20
1998/99	5,288	144	27.23	632,498	13,579	21.47	1.27	1.06	1.48	<0.01
1999/00	5,250	152	28.95	634,432	13,601	21.44	1.35	1.13	1.57	<0.01
2000/01	5,226	131	25.07	637,312	12,741	19.99	1.25	1.04	1.47	<0.01
2001/02	4,935	143	28.98	615,105	11,235	18.27	1.59	1.32	1.85	<0.01
Total	67,621	1,846	27.30	8,144,216	188,327	23.12	1.18	1.13	1.23	<0.01

Note: *Crude rates per 1,000 populations. Populations from census years (1991, 1996, 2001) otherwise they are intercensal estimates obtained from New Brunswick Health and Wellness, LCD/UCL – Lower/upper confidence limits..

Table 45: Hospital separations for most responsible diagnosis as endocrine, nutritional & metabolic disorder (ICD-9: 240-279) for Greater Belledune Area (GBA) and New Brunswick Standard Population by fiscal year, 1989/90 to 2001/02

Fiscal Year	Greater Belledune Area			New Brunswick Standard Population			Rate Ratio	95% LCL	95% UCL	p-value
	Population	Total	Rate*	Population	Total	Rate*				
1989/90	4,668	31	6.64	733,326	2,513	3.43	1.94	1.25	2.62	<0.01
1990/91	4,645	16	3.44	738,310	2,596	3.52	0.98	0.50	1.46	0.84
1991/92	5,400	19	3.52	740,146	2,450	3.31	1.06	0.58	1.54	0.89
1992/93	5,405	19	3.52	743,058	2,527	3.40	1.03	0.57	1.50	0.99
1993/94	5,401	13	2.41	744,129	2,442	3.28	0.73	0.33	1.13	0.21
1994/95	5,381	28	5.20	745,561	2,356	3.16	1.65	1.03	2.26	0.01
1995/96	5,356	27	5.04	746,426	2,451	3.28	1.54	0.95	2.12	0.03
1996/97	5,338	18	3.37	747,657	2,474	3.31	1.02	0.55	1.49	0.99
1997/98	5,328	25	4.69	748,909	2,652	3.54	1.33	0.80	1.85	0.20
1998/99	5,288	36	6.81	748,133	2,907	3.89	1.75	1.18	2.33	<0.01
1999/00	5,250	26	4.95	749,098	3,032	4.05	1.22	0.75	1.70	0.36
2000/01	5,226	23	4.40	751,372	3,180	4.23	1.04	0.61	1.47	0.92
2001/02	4,935	27	5.47	722,700	3,008	4.16	1.31	0.82	1.81	0.19
Total	67,621	308	4.55	9,658,825	34,588	3.58	1.27	1.13	1.41	<0.01

Note: *Crude rates per 1,000 populations. Populations from census years (1991, 1996, 2001) otherwise they are intercensal estimates obtained from New Brunswick Health and Wellness, LCD/UCL – Lower/upper confidence limits.

Table 46: Hospital separations for most responsible diagnosis as skin & subcutaneous tissue (ICD-9: 680-709) for Greater Belledune Area (GBA) and New Brunswick Standard Population by year, 1989/90 to 2001/02

Fiscal Year	Greater Belledune Area			New Brunswick Standard Population			Rate Ratio	95% LCL	95% UCL	p-value
	Population	Total	Rate*	Population	Total	Rate*				
1989/90	4,668	17	3.64	614,522	2,263	3.68	0.99	0.52	1.46	0.99
1990/91	4,645	22	4.74	619,189	2,280	3.68	1.29	0.75	1.83	0.29
1991/92	5,400	22	4.07	621,484	2,083	3.35	1.22	0.70	1.73	0.43
1992/93	5,405	27	5.00	624,420	2,086	3.34	1.50	0.93	2.06	0.05
1993/94	5,401	24	4.44	625,577	1,924	3.08	1.44	0.86	2.03	0.10
1994/95	5,381	27	5.02	627,539	2,125	3.39	1.48	0.92	2.04	0.06
1995/96	5,356	33	6.16	629,006	2,137	3.40	1.81	1.19	2.44	<0.01
1996/97	5,338	22	4.12	630,777	1,965	3.12	1.32	0.77	1.88	0.24
1997/98	5,328	18	3.38	632,355	2,107	3.33	1.01	0.54	1.48	0.99
1998/99	5,288	17	3.21	632,498	2,098	3.32	0.97	0.51	1.43	0.99
1999/00	5,250	16	3.05	634,432	2,010	3.17	0.96	0.49	1.44	0.92
2000/01	5,226	17	3.25	637,312	1,685	2.64	1.23	0.64	1.82	0.47
2001/02	4,935	16	3.24	615,105	1,567	2.55	1.27	0.65	1.90	0.41
Total	67,621	278	4.11	8,144,216	26,330	3.23	1.27	1.12	1.42	<0.01

Note: *Crude rates per 1,000 populations. Populations from census years (1991, 1996, 2001) otherwise they are intercensal estimates obtained from New Brunswick Health and Wellness. LCD/UCL – Lower/upper confidence limits.

Table 47: Standardized morbidity ratio (SMR) for selected hospital separations by most responsible diagnosis for Greater Belledune Area, 1989/90 to 2001/02

Most Responsible Diagnosis (ICD-9)	Observed	Expected	SMR	95% LCL	95% UCL	P-value
Disease of the respiratory system (ICD-9: 460-519)	1521	1186.15	1.28	1.22	1.35	<0.01
Disease of the circulatory system (ICD-9: 460-519)	1982	1492.31	1.33	1.27	1.39	<0.01
Disease of the digestive system (ICD-9: 520-579)	2085	1832.19	1.14	1.09	1.19	<0.01
Disease of the genitourinary system (ICD-9: 580-629	1846	1597.00	1.16	1.10	1.21	<0.01
Endocrine, nutritional & metabolic disorder (ICD-9: 240-279)	308	229.16	1.34	1.19	1.49	<0.01
Skin & subcutaneous tissue (ICD-9: 680-709)	278	219.09	1.27	1.12	1.42	<0.01
All causes	16753	14715.45	1.14	1.12	1.16	<0.01

Table 48: Hospital separations for most responsible diagnosis as disease of the respiratory system (ICD-9: 460-519) for Health Regions 5&6 (HR 5&6) and New Brunswick Standard Population by fiscal year, 1989/90 to 2001/02

Fiscal Year	Health Regions 5&6			New Brunswick Standard Population			Rate Ratio	95% LCL	95% UCL	P-value
	Population	Total	Rate*	Population	Total	Rate*				
1989/90	123,472	3,194	25.87	614,522	11,853	19.29	1.34	1.29	1.39	<0.01
1990/91	123,766	3,134	25.32	619,189	11,728	18.94	1.34	1.28	1.39	<0.01
1991/92	124,062	3,183	25.66	621,484	12,496	20.11	1.28	1.23	1.33	<0.01
1992/93	124,043	3,243	26.14	624,420	11,639	18.64	1.40	1.35	1.46	<0.01
1993/94	123,953	3,633	29.31	625,577	11,732	18.75	1.56	1.50	1.62	<0.01
1994/95	123,403	3,238	26.24	627,539	11,937	19.02	1.38	1.33	1.43	<0.01
1995/96	122,776	3,248	26.45	629,006	12,723	20.23	1.31	1.26	1.36	<0.01
1996/97	122,218	2,750	22.50	630,777	11,295	17.91	1.26	1.20	1.31	<0.01
1997/98	121,882	2,932	24.06	632,355	11,699	18.50	1.30	1.25	1.35	<0.01
1998/99	120,923	2,974	24.59	632,498	11,581	18.31	1.34	1.29	1.40	<0.01
1999/00	119,916	2,780	23.18	634,432	10,891	17.17	1.35	1.29	1.41	<0.01
2000/01	119,286	2,247	18.84	637,312	9,671	15.17	1.24	1.18	1.30	<0.01
2001/02	112,530	2,311	20.54	615,105	9,754	15.86	1.30	1.24	1.35	<0.01
Total	1,582,230	38,867	24.56	8,144,216	148,999	18.30	1.34	1.33	1.36	<0.01

Note: *Crude rates per 1,000 populations. Populations from census years (1991, 1996, 2001) otherwise they are intercensal estimates obtained from New Brunswick Health and Wellness, LCD/UCL – Lower/upper confidence limits.

Table 49: Hospital separations for most responsible diagnosis as disease of the circulatory system (ICD-9: 390-459) for Health Regions 5&6 (HR 5&6) and New Brunswick Standard Population by year, 1989/90 to 2001/02

Fiscal Year	Health Regions 5&6			New Brunswick Standard Population			Rate Ratio	95% LCL	95% UCL	P-value
	Population	Total	Rate	Population	Total	Rate				
1989/90	123,472	2,213	17.92	614,522	12,719	20.70	0.87	0.83	0.91	<0.01
1990/91	123,766	2,325	18.79	619,189	12,956	20.92	0.90	0.86	0.94	<0.01
1991/92	124,062	2,601	20.97	621,484	14,047	22.60	0.93	0.89	0.97	<0.01
1992/93	124,043	2,797	22.55	624,420	13,739	22.00	1.02	0.98	1.07	0.24
1993/94	123,953	3,163	25.52	625,577	13,662	21.84	1.17	1.12	1.21	<0.01
1994/95	123,403	2,921	23.67	627,539	13,322	21.23	1.12	1.07	1.16	<0.01
1995/96	122,776	3,030	24.68	629,006	14,243	22.64	1.09	1.05	1.13	<0.01
1996/97	122,218	3,075	25.16	630,777	14,016	22.22	1.13	1.09	1.18	<0.01
1997/98	121,882	3,164	25.96	632,355	14,026	22.18	1.17	1.13	1.22	<0.01
1998/99	120,923	2,929	24.22	632,498	14,401	22.77	1.06	1.02	1.11	<0.01
1999/00	119,916	3,008	25.08	634,432	14,676	23.13	1.08	1.04	1.13	<0.01
2000/01	119,286	2,999	25.14	637,312	14,329	22.48	1.12	1.07	1.16	<0.01
2001/02	112,530	2,920	25.95	615,105	14,240	23.15	1.12	1.08	1.17	<0.01
Total	1,582,230	37,145	23.48	8,144,216	180,376	22.15	1.06	1.05	1.07	<0.01

* Cude rate per 1,000 persons.

Table 50: Hospital separations for most responsible diagnosis as disease of the digestive system (ICD-9: 520-579) for Health Regions 5&6 (HR 5&6) New Brunswick Standard Population by fiscal year, 1989/90 to 2001/2002.

Fiscal Year	Health Regions 5&6			New Brunswick Standard Population			Rate Ratio	95% LCL	95% UCL	P-value
	Population	Total	Rate*	Population	Total	Rate*				
1989/90	123,472	4,138	33.51	614,522	16,042	26.10	1.28	1.24	1.33	<0.01
1990/91	123,766	4,180	33.77	619,189	16,442	26.55	1.27	1.23	1.32	<0.01
1991/92	124,062	3,984	32.11	621,484	16,511	26.57	1.21	1.17	1.25	<0.01
1992/93	124,043	4,050	32.65	624,420	16,188	25.92	1.26	1.22	1.30	<0.01
1993/94	123,953	4,056	32.72	625,577	16,185	25.87	1.26	1.22	1.31	<0.01
1994/95	123,403	4,225	34.24	627,539	17,591	28.03	1.22	1.18	1.26	<0.01
1995/96	122,776	4,280	34.86	629,006	19,457	30.93	1.13	1.09	1.16	<0.01
1996/97	122,218	3,851	31.51	630,777	17,148	27.19	1.16	1.12	1.20	<0.01
1997/98	121,882	3,716	30.49	632,355	16,763	26.51	1.15	1.11	1.19	<0.01
1998/99	120,923	3,620	29.94	632,498	17,606	27.84	1.08	1.04	1.11	<0.01
1999/00	119,916	3,603	30.05	634,432	16,813	26.50	1.13	1.09	1.17	<0.01
2000/01	119,286	3,232	27.09	637,312	16,472	25.85	1.05	1.01	1.09	0.01
2001/02	112,530	3,013	26.78	615,105	16,046	26.09	1.03	0.99	1.07	0.19
Total	1,582,230	49,948	31.57	8,144,216	219,264	26.92	1.17	1.16	1.18	<0.01

Note: *Crude rates per 1,000 populations. Populations from census years (1991, 1996, 2001) otherwise they are intercensal estimates obtained from New Brunswick Health and Wellness. LCD/UCL – Lower/upper confidence limits.

Table 51: Hospital separations for most responsible diagnosis as disease of the genitourinary system (ICD-9: 580-629) for Health Regions 5&6 (HR 5&6) and New Brunswick Standard Population by fiscal year, 1989/90 to 2001/02

Fiscal Year	Health Regions 5&6			New Brunswick Standard Population			Rate Ratio	95% LCL	95% UCL	P-value
	Population	Total	Rate*	Population	Total	Rate*				
1989/90	123,472	2,808	22.74	614,522	15,731	25.60	0.89	0.85	0.92	<0.01
1990/91	123,766	2,771	22.39	619,189	15,326	24.75	0.90	0.87	0.94	<0.01
1991/92	124,062	2,733	22.03	621,484	15,971	25.70	0.86	0.82	0.89	<0.01
1992/93	124,043	2,883	23.24	624,420	15,654	25.07	0.93	0.89	0.96	<0.01
1993/94	123,953	3,082	24.86	625,577	15,444	24.69	1.01	0.97	1.05	0.72
1994/95	123,403	3,541	28.69	627,539	15,848	25.25	1.14	1.09	1.18	<0.01
1995/96	122,776	3,150	25.66	629,006	15,360	24.42	1.05	1.01	1.09	0.01
1996/97	122,218	2,901	23.74	630,777	14,547	23.06	1.03	0.99	1.07	0.15
1997/98	121,882	2,663	21.85	632,355	13,290	21.02	1.04	1.00	1.08	0.06
1998/99	120,923	2,781	23.00	632,498	13,579	21.47	1.07	1.03	1.11	<0.01
1999/00	119,916	2,708	22.58	634,432	13,601	21.44	1.05	1.01	1.10	0.02
2000/01	119,286	2,516	21.09	637,312	12,741	19.99	1.06	1.01	1.10	0.02
2001/02	112,530	2,496	22.18	615,105	11,235	18.27	1.21	1.16	1.27	<0.01
Total	1,582,230	37,033	23.41	8,144,216	188,327	23.12	1.01	1.00	1.02	0.03

Note: *Crude rates per 1,000 populations. Populations from census years (1991, 1996, 2001) otherwise they are intercensal estimates obtained from New Brunswick Health and Wellness, LCD/UCL – Lower/upper confidence limits.

Table 52: Hospital separations for most responsible diagnosis as endocrine, nutritional & metabolic disorder (ICD-9: 240-279) for Health Regions 5&6 (HR 5&6) and New Brunswick Standard Population by fiscal year, 1989/90 to 2001/02

Fiscal Year	Health Regions 5&6			New Brunswick Standard Population			Rate Ratio	95% LCL	95% UCL	P-value
	Population	Total	Rate*	Population	Total	Rate*				
1989/90	123,472	543	4.40	614,522	2,001	3.26	1.35	1.22	1.48	<0.01
1990/91	123,766	577	4.66	619,189	2,035	3.29	1.42	1.29	1.55	<0.01
1991/92	124,062	500	4.03	621,484	1,969	3.17	1.27	1.15	1.40	<0.01
1992/93	124,043	555	4.47	624,420	1,991	3.19	1.40	1.27	1.54	<0.01
1993/94	123,953	508	4.10	625,577	1,947	3.11	1.32	1.19	1.45	<0.01
1994/95	123,403	499	4.04	627,539	1,885	3.00	1.35	1.21	1.48	<0.01
1995/96	122,776	546	4.45	629,006	1,932	3.07	1.45	1.31	1.59	<0.01
1996/97	122,218	530	4.34	630,777	1,962	3.11	1.39	1.26	1.53	<0.01
1997/98	121,882	522	4.28	632,355	2,155	3.41	1.26	1.14	1.38	<0.01
1998/99	120,923	561	4.64	632,498	2,382	3.77	1.23	1.12	1.35	<0.01
1999/00	119,916	622	5.19	634,432	2,436	3.84	1.35	1.23	1.47	<0.01
2000/01	119,286	619	5.19	637,312	2,584	4.05	1.28	1.17	1.39	<0.01
2001/02	112,530	556	4.94	615,105	2,479	4.03	1.23	1.11	1.34	<0.01
Total	1,582,230	7,138	4.51	8,144,216	27,758	3.41	1.32	1.29	1.36	<0.01

Note: *Crude rates per 1,000 populations. Populations from census years (1991, 1996, 2001) otherwise they are intercensal estimates obtained from New Brunswick Health and Wellness, LCD/UCL – Lower/upper confidence limits.

Table 53: Hospital separations for most responsible diagnosis as skin & subcutaneous tissue (ICD-9: 680-709) for Health Regions 5&6 (HR 5&6) and New Brunswick Standard Population by fiscal year, 1989/90 to 2001/02

Fiscal Year	Health Regions 5&6			New Brunswick Standard Population			Rate Ratio	95% LCL	95% UCL	P-value
	Population	Total	Rate*	Population	Total	Rate*				
1989/90	123,472	485	3.93	614,522	2,263	3.68	1.07	0.96	1.17	0.21
1990/91	123,766	530	4.28	619,189	2,280	3.68	1.16	1.05	1.27	<0.01
1991/92	124,062	572	4.61	621,484	2,083	3.35	1.38	1.25	1.50	<0.01
1992/93	124,043	536	4.32	624,420	2,086	3.34	1.29	1.17	1.42	<0.01
1993/94	123,953	509	4.11	625,577	1,924	3.08	1.34	1.20	1.47	<0.01
1994/95	123,403	492	3.99	627,539	2,125	3.39	1.18	1.06	1.29	<0.01
1995/96	122,776	489	3.98	629,006	2,137	3.40	1.17	1.06	1.29	<0.01
1996/97	122,218	509	4.16	630,777	1,965	3.12	1.34	1.21	1.47	<0.01
1997/98	121,882	455	3.73	632,355	2,107	3.33	1.12	1.01	1.23	0.03
1998/99	120,923	434	3.59	632,498	2,098	3.32	1.08	0.97	1.19	0.14
1999/00	119,916	351	2.93	634,432	2,010	3.17	0.92	0.82	1.03	0.16
2000/01	119,286	364	3.05	637,312	1,685	2.64	1.15	1.02	1.28	0.01
2001/02	112,530	355	3.15	615,105	1,567	2.55	1.24	1.10	1.38	<0.01
Total	1,582,230	6,081	3.84	8,144,216	26,330	3.23	1.19	1.16	1.22	<0.01

Note: *Crude rates per 1,000 populations. Populations from census years (1991, 1996, 2001) otherwise they are intercensal estimates obtained from New Brunswick Health and Wellness, LCD/UCL – Lower/upper confidence limits.

Table 54: Standardized morbidity ratio (SMR) for selected Hospital separations by most responsible diagnosis for Health Regions 5&6, 1989/90 to 2001/02

Disease Classification (ICD-9)	Observed	Expected	SMR	95% LCL	95% UCL	P-value
Disease of the respiratory system (ICD-9: 460-519)	38867	27832.95	1.40	1.38	1.41	<0.01
Disease of the circulatory system (ICD-9: 460-519)	37145	33484.66	1.11	1.10	1.12	<0.01
Disease of the digestive system (ICD-9: 520-579)	49948	42069.87	1.19	1.18	1.20	<0.01
Disease of the genitourinary system (ICD-9: 580-629	37033	36417.13	1.02	1.01	1.03	<0.01
Endocrine, nutritional & metabolic disorder (ICD-9: 240-279)	7138	5260.78	1.36	1.33	1.39	<0.01
Skin & subcutaneous tissue (ICD-9: 680-709)	6081	5075.38	1.20	1.17	1.23	<0.01
All causes	351107	339068.37	1.04	1.03	1.04	<0.01

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